



## List of Reference Material with NABL Accredited RMP

S.No	RM/CRM	Name of RM/CRM	Purpose/ Intended use	Pack size	Name of RMP	Contact Details	Link of Website
1	CRM	Copper Solution	Calibration of Equipment, Quantitative determination of Copper, Validation of Method	100ml	Aashvi Technology LLP, Ahemdabad	Tushar Parekh/Hardik Sharma sales@aqcrm.com 7227925050/ 9974145050	<a href="https://aashvitechnology.com/products.php">https://aashvitechnology.com/products.php</a>
2	CRM	Nickel Solution	Calibration of Equipment, Quantitative determination of Nickel, Validation of Method	100ml			
3	CRM	pH Standard Solution 4.00	Calibration standard for pH instruments and validation of method for the determination of pH value	250ml			
4	CRM	pH Standard Solution 7.00	Calibration standard for pH instruments and validation of method for the determination of pH value	250ml			
5	CRM	pH Standard Solution 9.00	Calibration standard for pH instruments and validation of method for the determination of pH value	250ml			
6	CRM	Conductivity Standard Solution 1.41ms/cm	Calibration of Conductivity instruments and validation of method for the determination of conductivity value	500ml			
7	CRM	Nitrate Solution	Calibration of Equipment, Quantitative determination of Nitrate, Validation of Method	500ml			
8	CRM	Lead Solution	Calibration of Equipment, Quantitative determination of Lead, Validation of Method	100ml			



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9	CRM	Arsenic Solution	Calibration of Equipment, Quantitative determination of Arsenic, Validation of Method	100ml	Aashvi Technology LLP, Ahemdabad	Tushar Parekh/Hardik Sharma sales@aqcrm.com 7227925050/ 9974145050	<a href="https://aashvitechnology.com/products.php">https://aashvitechnology.com/products.php</a>
10	CRM	Mercury Solution	Calibration of Equipment, Quantitative determination of Mercury, Validation of Method	100ml			
11	CRM	Cadmium Solution	Calibration of Equipment, Quantitative determination of Cadmium, Validation of Method	100ml			
12	CRM	Silver Solution	Calibration of Equipment, Quantitative determination of Silver, Validation of Method	100ml			
13	CRM	Zinc Solution	Calibration of Equipment, Quantitative determination of Zinc, Validation of Method	100ml			
14	CRM	Potassium Hydrogen Phthalate	Titrimetric standard for the standardization of volumetric standard solution and validation of Method	45g			
15	CRM	Potassium dichromate	Titrimetric standard for the standardization of volumetric standard solution, Calibration of equipments and validation of method	45g			
16	CRM	Sodium chloride	Titrimetric standard for the standardization of volumetric standard solution and validation of method	45g			



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17	CRM	Iron Solution	Calibration of Equipment, Quantitative determination of Iron, Validation of Method	100ml	Aashvi Technology LLP, Ahemdabad	Tushar Parekh/Hardik Sharma sales@aqcrm.com 7227925050/ 9974145050	<a href="https://aashvitechnology.com/products.php">https://aashvitechnology.com/products.php</a>
18	CRM	Potassium Solution	Calibration of Equipment, Quantitative determination of Potassium, Validation of Method	100ml			
19	CRM	Total Dissolve Solid	Gravimetric standard for the validation of standard method and calibration of instruments	250ml			
20	CRM	pH Standard Solution 9.2	Calibration standard for pH instruments and validation of method for the determination of pH value	250ml			
21	CRM	Sodium Carbonate	Titrimetric standard for the standardization of volumetric standard solution and validation of method	45g			
22	CRM	Calcium Carbonate	Titrimetric standard for the standardization of volumetric standard solution and validation of method	20g			
23	CRM	Chromium Solution	Calibration of Equipment, Quantitative determination of Chromium, Validation of Method	100ml			
24	CRM	Aluminium Solution	Calibration of Equipment, Quantitative determination of Aluminium, Validation of Method	100ml			



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25	CRM	Sodium Solution	Calibration of Equipment, Quantitative determination of Sodium, Validation of Method	100ml	Aashvi Technology LLP, Ahemdabad	Tushar Parekh/Hardik Sharma sales@aqcrm.com 7227925050/ 9974145050	<a href="https://aashvitechnology.com/products.php">https://aashvitechnology.com/products.php</a>
26	CRM	Sulphate Solution	Calibration of Equipment, Quantitative determination of Sulphate, Validation of Method	500ml			
27	CRM	Calcium Solution	Calibration of Equipment, Quantitative determination of Calcium, Validation of Method	100ml			
28	RM	Groundnut Oil	To detect adulteration of Groundnut oil in other edible Oils.	15g			
29	RM	Sesame Oil	To detect adulteration of Sesame Oil in other edible Oils.	15g			
30	RM	Linseed Oil	To detect adulteration of Linseed Oil in other edible Oils.	15g			
31	RM	Karanja Oil	To detect adulteration of Karanja Oil in other edible Oils.	15g			
32	RM	Neem Oil	To detect adulteration of Neem Oil in other edible Oils.	15g			
33	RM	Castor Oil	To detect adulteration of Castor Oil in other edible Oils.	15g			
34	RM	Cottonseed Oil	To detect adulteration of Cottonseed Oil in other edible Oils.	15g			



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S.No	RM/CRM	Name of RM/CRM	Purpose/ Intended use	Pack size	Name of RMP	Contact Details	Link of Website
35	RM	Mineral Oil	To detect adulteration of Mineral Oil in other edible Oils.	15g	Aashvi Technology LLP, Ahemdabad	Tushar Parekh/Hardik Sharma sales@aqcrm.com 7227925050/ 9974145050	<a href="https://aashvitechnology.com/products.php">https://aashvitechnology.com/products.php</a>
36	RM	Argemone Oil	To detect adulteration of Argemone Oil in other edible Oils.	5g			
37	RM	Turmeric Powder with Lead Chromate	To detect adulteration of Lead Chromate in Turmeric Powder	40g			
38	RM	Iron Ore	It is intended to use as a primary calibration standard for calibration of instruments and also validation of method for characterization of the measured for analysis of Iron Ore	100gms	Sums Techno Labs Pvt. Ltd., Bellary	Akhileswar Reddy K +91 8884494257 technolabs@sums.org.in	<a href="http://www.sums.org.in">www.sums.org.in</a>
39	RM	Manganese Ore	It is intended to use as a primary calibration standard for calibration of instruments and also validation of method for characterization of the measured for analysis of Manganese Ore	100gms			
40	RM	Limestone	It is intended to use as a primary calibration standard for calibration of instruments and also validation of method for characterization of the measured for analysis of Limestone	100gms			



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41	CRM	Quartzite	It is intended to use as a primary calibration standard for calibration of instruments and validation of method for characterization of the measured for analysis of Quartzite	100gms	Sums Techno Labs Pvt. Ltd., Bellary	Akhileswar Reddy K +91 8884494257 technolabs@sums.org.in	<a href="http://www.sums.org.in">www.sums.org.in</a>
42	CRM	Coal	It is intended to use as a primary calibration standard for calibration of instruments and validation of method for characterization of the measured for analysis of Coal	50gms			
43	RM	Aciclovir I. P	As Reference material for Assay/RS	1gm	Pharmaffiliates Analytics and Synthetics Pvt. Ltd., Panchkula	Sameer Gautam ,contact@pharmaffiliates.com 9216682054	<a href="http://www.pharmaffiliates.com">www.pharmaffiliates.com</a>
44	RM	Ambroxol HCl I.P.	As Reference material for Assay/RS	1gm			
45	RM	Paracetamol I.P.	As Reference material for Assay/RS	1gm			
46	RM	Atenolol I.P.	As Reference material for Assay/RS	1gm			
47	RM	Guaiphenesin I.P.	As Reference material for Assay/RS	1gm			
48	RM	Trimethoprim I.P.	As Reference material for Assay/RS	1gm			
49	RM	Atorvastatin Calcium I.P.	As Reference material for Assay/RS	1gm			
50	RM	Salicylic acid I. P.	As Reference material for Assay/RS	1gm			

For more details of RMP, refer Document NABL 800, Directory of Accredited Reference Material Producers.

NA-Not available



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51	CRM	Quartz	Standard in evaluation of analytical methods for Al, Ca, Fe, K, Mg, Na, Ti content in quartz matrix	25 gm	National Centre for Compositional Characterization of Materials, Hyderabad	Dr. K. Dash kdash@barc.gov.in	cccm.gov.in
52	CRM	Noodles powder	Standard in evaluation of analytical methods for Lead content in noodle matrix	20 gm			
53	CRM	Melt Flow Rate (Polypropelene)	<ul style="list-style-type: none"> <li>To demonstrate control of a measurement process within a laboratory over a period of time. <ul style="list-style-type: none"> <li>To check instrument performance</li> <li>Repeatability and reproducibility studies – repeated use over an extended period of time, instruments, operators, etc., to estimate long term reproducibility or robustness of a measurement process or laboratory.</li> </ul> </li> <li>To confirm the degree of equivalence of measurement results from two or more laboratories (e.g. Provider and user), where the materials are inherently stable. <ul style="list-style-type: none"> <li>To check operator variability</li> </ul> </li> </ul>	100 grams	Fine Finish Organics Pvt. Ltd., RMP Division, Navi Mumbai	Karishma Prabhu karishma.prabhu@finefinish.net 9821933534 , Sanyogeeta Pawar Proficiency.testing@finefinish.net 9372705939	<a href="https://finefinish.net/index.php/crms/">https://finefinish.net/index.php/crms/</a>

For more details of RMP, refer Document NABL 800, Directory of Accredited Reference Material Producers.

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S.No	RM/CRM	Name of RM/CRM	Purpose/ Intended use	Pack size	Name of RMP	Contact Details	Link of Website
54	CRM	Tensile strength (Fibre Reinforced composite)	<ul style="list-style-type: none"> <li>To demonstrate control of a measurement process within a laboratory over a period of time.</li> <li>To check instrument performance</li> <li>Repeatability and reproducibility studies – repeated use over an extended period of time, instruments, operators, etc., to estimate long term reproducibility or robustness of a measurement process or laboratory.</li> <li>To confirm the degree of equivalence of measurement results from two or more laboratories (e.g. Provider and user), where the materials are inherently stable.</li> <li>To check operator variability</li> </ul>	5 specimen (per set)	Fine Finish Organics Pvt. Ltd., RMP Division, Navi Mumbai	<a href="mailto:karishma.prabhu@finefinish.net">Karishma Prabhu karishma.prabhu@finefinish.net 9821933534</a> , <a href="mailto:Sanyogeeta.Pawar.Proficiency.testing@finefinish.net">Sanyogeeta Pawar Proficiency.testing@finefinish.net 9372705939</a>	://finefinish.net/index.php/crms/





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55	CRM	Tensile strength (Polypropylene)	<ul style="list-style-type: none"> <li>To demonstrate control of a measurement process within a laboratory over a period of time.</li> <li>To check instrument performance</li> <li>Repeatability and reproducibility studies – repeated use over an extended period of time, instruments, operators, etc., to estimate long term reproducibility or robustness of a measurement process or laboratory.</li> <li>To confirm the degree of equivalence of measurement results from two or more laboratories (e.g. Provider and user), where the materials are inherently stable.</li> <li>To check operator variability</li> </ul>	5 specimen (per set)	Fine Finish Organics Pvt. Ltd., RMP Division, Navi Mumbai	Karishma Prabhu karishma.prabhu@finefinish.net 9821933534 , Sanyogeeta Pawar Proficiency.testing@finefinish.net 9372705939	<a href="https://finefinish.net/index.php/crms/">https://finefinish.net/index.php/crms/</a>



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S.No	RM/CRM	Name of RM/CRM	Purpose/ Intended use	Pack size	Name of RMP	Contact Details	Link of Website
56	RM	Density (Polypropylene)	<ul style="list-style-type: none"> <li>To demonstrate control of a measurement process within a laboratory over a period of time.</li> <li>To check instrument performance</li> <li>Repeatability and reproducibility studies – repeated use over an extended period of time, instruments, operators, etc., to estimate long term reproducibility or robustness of a measurement process or laboratory.</li> <li>To confirm the degree of equivalence of measurement results from two or more laboratories (e.g. Provider and user), where the materials are inherently stable.</li> <li>To check operator variability</li> </ul>	3 specimen (per set)	Fine Finish Organics Pvt. Ltd., RMP Division, Navi Mumbai	Karishma Prabhu karishma.prabhu@finefinish.net 9821933534 , Sanyogeeta Pawar Proficiency.testing@finefinish.net 9372705939	<a href="https://finefinish.net/index.php/crms/">https://finefinish.net/index.php/crms/</a>
57	RM	Epoxyazadiradione (EADD)	Standardization of Neem products	5 mg onwards	Asthagiri Herbal Research Foundation, Chennai	Dr. S. Narasimhan, CMD, asthagiri.herbal@gmail.com, 9840064340	<a href="https://asthagiriherbal.org.in">https://asthagiriherbal.org.in</a>



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S.No	RM/CRM	Name of RM/CRM	Purpose/ Intended use	Pack size	Name of RMP	Contact Details	Link of Website
58	CRM	Ferrous Charpy V Notch Reference Test Pieces (Absorbed Energy @ +20°C (2 mm Striker)	Indirect Verification of Charpy Impact Testing Machine as per ISO 148 - 2	1 set (one set of five test pieces)	Anand Testing Machine Services, Ichalkaranji	Mr. Sheetalkumar V. Anandache, shital.anandtest@gmail.com, 0230 - 242 3351, 094224 23236	<a href="http://www.indiamart.com/anand-testing">www.indiamart.com/anand-testing</a>
59	CRM	Ferrous Charpy V Notch Reference Test Pieces Absorbed Energy @ -40°C (2 mm Striker)	Indirect Verification of Charpy Impact Testing Machine as per ISO 148 - 2	1 set (one set of five test pieces)			
60	RM	Ferrous Charpy V Notch Reference Test Pieces (Absorbed Energy @ +20°C & -40°C (8 mm Striker)	<ol style="list-style-type: none"> <li>1. Method validation;</li> <li>2. Calibration and Quality Control;</li> <li>3. Interlaboratory comparisons for method validation;</li> <li>4. Interlaboratory comparisons for Assessing Laboratory Proficiency;</li> <li>5. Ensuring the validity of results;</li> <li>6. Intermediate checks on Charpy Impact Testing Machine</li> </ol>	1 set (one set of five test pieces)			

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S.No	RM/CRM	Name of RM/CRM	Purpose/ Intended use	Pack size	Name of RMP	Contact Details	Link of Website
61	RM	Ferrous Izod V Notch Reference Test Pieces (Absorbed Energy @ 10 to 35°C)	1. Method validation; 2. Calibration and Quality Control; 3. Interlaboratory comparisons for method validation; 4. Interlaboratory comparisons for Assessing Laboratory Proficiency; 5. Ensuring the validity of results; 6. Intermediate checks on Izod Impact Testing Machine	1 set (one set of five test pieces)	Anand Testing Machine Services, Ichalkaranji	Mr. Sheetalkumar V. Anandache, shital.anandtest@gmail.com, 0230 - 242 3351, 094224 23236	www.indiamart.com/anand-testing
62	RM	High Purity Gold	Fire Assay Method	10 gms	Jalan Reference Material Division Unit, Jalan and Company, Delhi	Ishwar Jalan 9810009929 jalan@jalanco.com	www.jalanco.com
63	RM	Gold Alloy	Fire Assay Method	1 gms			
64	RM	Silver Purity Silver	IS 1418, IS 2113	10 gms			
65	RM	Silver Alloy 925	IS 1418, IS 2113	1gms			
66	RM	Acephate	Chemical Testing	0.25 g	Central Quality Assurance Laboratory, Raliis India Limited, Bharuch	Mr. Rajendra Petkar <a href="mailto:rajendra.petkar@rallis.com">rajendra.petkar@rallis.com</a>	NA
67	RM	Metribuzin	Chemical Testing	0.25 g			
68	RM	Pendimethalin	Chemical Testing	0.25 g			
69	RM	Flubendiamide	Chemical Testing	0.25 g			
70	RM	Metalaxyl	Chemical Testing	0.25 g			
71	RM	Imidacloprid	Chemical Testing	0.25 g			
72	RM	Acetamiprid	Chemical Testing	0.25 g			
73	RM	Buprofezin	Chemical Testing	0.25 g			
74	RM	Kresoxim Methyl	Chemical Testing	0.25 g			
75	RM	Hexaconazole	Chemical Testing	0.25 g			
76	RM	Tebuconazole	Chemical Testing	0.25 g			
77	RM	Captan	Chemical Testing	0.25 g			
78	RM	Fenpyroximate	Chemical Testing	0.25 g			
79	RM	Lambda Cyhalothrin	Chemical Testing	0.25 g			
80	RM	Chloropyrifos	Chemical Testing	0.25 g			
81	RM	Ethion	Chemical Testing	0.25 g			

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82	RM	Tricyclazole	Chemical Testing	0.25 g		Mr. Rajendra Petkar <a href="mailto:rajendra.petkar@rallis.com">rajendra.petkar@rallis.com</a>	NA
83	RM	Difenthiuron	Chemical Testing	0.25 g			
84	RM	Pretilachlor	Chemical Testing	0.25 g			
85	RM	Thiamethoxam	Chemical Testing	0.25 g			
86	RM	Fenvelerate	Chemical Testing	0.25 g			
87	RM	Cypermethrin	Chemical Testing	0.25 g			
88	CRM	Ordinary Portland Cement Surface Area (Fineness by Blaine's Air Permeability) (High Fineness)	Calibration of Blaine's Air Permeability Apparatus/ Validation of Test Method/ Developing secondary reference standards for routine quality control/ Evaluating proficiency of analyst/ Use as PT item for proficiency testing program	Four No. Vials (Each 10 g)			
89	CRM	Ordinary Portland Cement Surface Area (Fineness by Blaine's Air Permeability) (Low Fineness)	Calibration of Blaine's Air Permeability Apparatus/ Validation of Test Method/ Developing secondary reference standards for routine quality control/ Evaluating proficiency of analyst/ Use as PT item for proficiency testing program	Four No. Vials (Each 10 g)			
90	CRM	Pozzolana Portland Cement Surface Area (Fineness by Blaine's Air Permeability)	Calibration of Blaine's Air Permeability Apparatus/ Validation of Test Method/ Developing secondary reference standards for routine quality control/ Evaluating proficiency of analyst/ Use as PT item for proficiency testing program	Four No. Vials (Each 10 g)			
91	CRM	White Portland Cement-Surface Area (Fineness by	Calibration of Blaine's Air Permeability Apparatus/ Validation of Test Method/	Four No. Vials			



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		Blaine's Air Permeability)	Developing secondary reference standards for routine quality control/ Evaluating proficiency of analyst/ Use as PT item for proficiency testing program	(Each 10 g)	CIMEC INFRALABS PVT. Ltd., (RMP Division), Ghaziabad	Manager, Customer Services, Mail ID: rmp@cimec.in, +91 9599383143	<a href="http://cimec.in/reference-material-producer/">http://cimec.in/reference-material-producer/</a>
92	CRM	Fly Ash-Surface Area (Fineness by Blaine's Air Permeability)	Calibration of Blaine's Air Permeability Apparatus/ Validation of Test Method/ Developing secondary reference standards for routine quality control/ Evaluating proficiency of analyst/ Use as PT item for proficiency testing program	Four No. Vials (Each 10 g)			
93	CRM	Flow Table-Flow Percent Flow: 70±5%	Calibration of Flow Table	One Pack of Liquid material: 215 g & One Pack of Powder Material: 500 g			



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94	CRM	Flow Table-Flow Percent Flow: 102±5%	Calibration of Flow Table	One Pack of Liquid material: 215 g & One Pack of Powder Material: 500 g	CIMEC INFRALABS PVT.Ltd., (RMP Division), Ghaziabad	Manager, Customer Services, Mail ID: rmp@cimec.in, +91 9599383143	<a href="http://cimec.in/reference-material-producer/">http://cimec.in/reference-material-producer/</a>
95	RM	Ordinary Portland Cement -Silica (SiO <sub>2</sub> ), Aluminium Oxide (Al <sub>2</sub> O <sub>3</sub> ), Iron Oxide (Fe <sub>2</sub> O <sub>3</sub> ), Calcium Oxide (CaO), Magnesium Oxide (MgO), Sulphuric Anhydride (SO <sub>3</sub> ), Loss on Ignition (LOI), Insoluble Residue (IR)	Calibration/ Validation of Test Method	Four No. Vials (Each 5 g)			
96	RM	Pozzolana Portland Cement - Silica (SiO <sub>2</sub> ), Aluminium Oxide (Al <sub>2</sub> O <sub>3</sub> ), Iron Oxide (Fe <sub>2</sub> O <sub>3</sub> ), Calcium Oxide (CaO), Magnesium Oxide (MgO), Sulphuric Anhydride (SO <sub>3</sub> ), Loss on Ignition (LOI), Insoluble Residue (IR)	Calibration/ Validation of Test Method	Four No. Vials (Each 5 g)			



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97	RM	Fly Ash - Silica (SiO <sub>2</sub> ), Aluminium Oxide (Al <sub>2</sub> O <sub>3</sub> ), Iron Oxide (Fe <sub>2</sub> O <sub>3</sub> ), Calcium Oxide (CaO), Magnesium Oxide (MgO), Sulphuric Anhydride (SO <sub>3</sub> ), Loss on Ignition (LOI)	Calibration/ Validation of Test Method	Four No. Vials (Each 5 g)	CIMEC INFRALABS PVT. Ltd., (RMP Division), Ghaziabad	Manager, Customer Services, Mail ID: rmp@cimec.in, +91 9599383143	<a href="http://cimec.in/reference-material-producer/">http://cimec.in/reference-material-producer/</a>
98	RM	Clinker - Silica (SiO <sub>2</sub> ), Aluminium Oxide (Al <sub>2</sub> O <sub>3</sub> ), Iron Oxide (Fe <sub>2</sub> O <sub>3</sub> ), Calcium Oxide (CaO), Magnesium Oxide (MgO), Sulphuric Anhydride (SO <sub>3</sub> ), Loss on Ignition (LOI), Insoluble Residue (IR)	Calibration/ Validation of Test Method	Four No. Vials (Each 5 g)			
99	RM	Hydrated Lime - Calcium Oxide (CaO), Magnesium Oxide (MgO), Silica (SiO <sub>2</sub> ) Insoluble Residue (IR)	Lime Reactivity Test of Pozzolanic Materials	Three No. Packs (Each 160 g)			
100	RM	Standard Sand (Smaller than 2 mm & greater than 1 mm)	Particle Size determination (Smaller than 2 mm & greater than 1 mm) Ref. IS 650	24 kg bag (12 X 2.0 kg )			





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101	RM	Standard Sand (Smaller than 1 mm & greater than 500 microns)	Particle Size determination (Smaller than 1 mm & greater than 500 microns) Ref. IS 650	24 kg bag (12 X 2.0 kg )	CIMEC INFRALABS PVT. Ltd., (RMP Division), Ghaziabad	Manager, Customer Services, Mail ID: rmp@cimec.in, Contact No.: +91 9599383143	<a href="http://cimec.in/reference-material-producer/">http://cimec.in/reference-material-producer/</a>
102	RM	Standard Sand (Smaller than 500 microns & greater than 90 microns)	Particle Size determination (Smaller than 1 mm & greater than 500 microns) Ref. IS 650	24 kg bag 12 X 2.0 kg )			
103	CRM	Ordinary Portland Cement (OPC) - Blaine fineness OPC - Range: 250-300 m <sup>2</sup> /kg OPC - Range: 300-350 m <sup>2</sup> /kg OPC - Range: 400-450 m <sup>2</sup> /kg	Calibration Blaine Air Permeability Apparatus	40 g	Standard Reference Material, National Council for Cement and Building Materials, Ballabgarh	Amit Trivedi cqcb@ncbindia.com 0129-4192239, 305	<a href="https://www.ncbindia.com/wp-content/uploads/PT_Schemes/RateList-CRMsBNDfor2021-22.pdf">https://www.ncbindia.com/wp-content/uploads/PT_Schemes/RateList-CRMsBNDfor2021-22.pdf</a>
104	CRM	Fly ash - Blaine fineness Range: 200-600 m <sup>2</sup> /kg	Calibration Blaine Air Permeability Apparatus	40 g			
105	CRM	White Portland Cement (WPC) - Blaine fineness Range: 200-500 m <sup>2</sup> /kg	Calibration Blaine Air Permeability Apparatus	40 g			
106	CRM	Portland Pozzalana Cement (PPC) - Blaine fineness Range: 200-500 m <sup>2</sup> /kg	Calibration Blaine Air Permeability Apparatus	40 g			



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107	CRM	Portland Slag Cement (PSC) - Blaine fineness Range: 200-500 m <sup>2</sup> /kg	Calibration Blaine Air Permeability Apparatus	40 g	Standard Reference Material, National Council for Cement and Building Materials, Ballabgarh	Amit Trivedi cqcb@ncbindia.com 0129-4192239, 305	<a href="https://www.ncbindia.com/wp-content/uploads/PT_Schemes/RateList-CRMsBNDfor2021-22.pdf">https://www.ncbindia.com/wp-content/uploads/PT_Schemes/RateList-CRMsBNDfor2021-22.pdf</a>
108	CRM	Composite Cement - Blaine fineness Range: 200-500 m <sup>2</sup> /kg	Calibration Blaine Air Permeability Apparatus	40 g			
109	CRM	Limestone - Chemical parameter (K <sub>2</sub> O, Al <sub>2</sub> O <sub>3</sub> , CaO, Fe <sub>2</sub> O <sub>3</sub> , LOI, MgO, Mn <sub>2</sub> O <sub>3</sub> , Na <sub>2</sub> O, P <sub>2</sub> O <sub>5</sub> , SiO <sub>2</sub> , TiO <sub>2</sub> )	Calibration of Instrument and validation of method for characterization of the measurand for analysis of Limestone	20 g			
110	CRM	Hydrated Lime - CaO, MgO, SiO <sub>2</sub> , IR	Lime Reactivity Test	500 g			
111	CRM	Ordinary Portland Cement (OPC) - Chemical parameter (Cl, Al <sub>2</sub> O <sub>3</sub> , CaO, Fe <sub>2</sub> O <sub>3</sub> , IR, K <sub>2</sub> O, LOI, MgO, Mn <sub>2</sub> O <sub>3</sub> , Na <sub>2</sub> O, SiO <sub>2</sub> , SO <sub>3</sub> , TiO <sub>2</sub> )	Calibration of Instrument and validation of method for characterization of the measurand for analysis of OPC	20 g			
112	CRM	Clinker - Chemical parameter (TiO <sub>2</sub> , Al <sub>2</sub> O <sub>3</sub> , CaO, Cl, Fe <sub>2</sub> O <sub>3</sub> , K <sub>2</sub> O, LOI, MgO, Mn <sub>2</sub> O <sub>3</sub> , Na <sub>2</sub> O, SiO <sub>2</sub> , SO <sub>3</sub> )	Calibration of Instrument and validation of method for characterization of the measurand for analysis of Clinker	20 g			



## List of Reference Material with NABL Accredited RMP

S.No	RM/CRM	Name of RM/CRM	Purpose/ Intended use	Pack size	Name of RMP	Contact Details	Link of Website
113	CRM	Portland Pozzalana Cement (PPC) - Chemical parameter (Cl, IR, K <sub>2</sub> O, LOI, MgO, Na <sub>2</sub> O, SO <sub>3</sub> )	Calibration of Instrument and validation of method for characterization of the measurand for analysis of PPC	20 g	Standard Reference Material, National Council for Cement and Building Materials, Ballabgarh	Amit Trivedi cqcb@ncbindia.com 0129-4192239, 305	<a href="https://www.ncbindia.com/wp-content/uploads/PT_Schemes/RateList-CRMsBNDfor2021-22.pdf">https://www.ncbindia.com/wp-content/uploads/PT_Schemes/RateList-CRMsBNDfor2021-22.pdf</a>
114	CRM	Portland Slag Cement (PSC) - Chemical parameter (Sulphide Sulphur, Al <sub>2</sub> O <sub>3</sub> , CaO, Cl, Fe <sub>2</sub> O <sub>3</sub> , K <sub>2</sub> O, LOI, MgO, Mn <sub>2</sub> O <sub>3</sub> , Na <sub>2</sub> O, P <sub>2</sub> O <sub>5</sub> , SiO <sub>2</sub> , SO <sub>3</sub> , TiO <sub>2</sub> )	Calibration of Instrument and validation of method for characterization of the measurand for analysis of PSC	20 g			
115	CRM	Raw Meal - Chemical parameter (TiO <sub>2</sub> , Al <sub>2</sub> O <sub>3</sub> , CaO, Cl, Fe <sub>2</sub> O <sub>3</sub> , K <sub>2</sub> O, LOI, MgO, Mn <sub>2</sub> O <sub>3</sub> , Na <sub>2</sub> O, SiO <sub>2</sub> , SO <sub>3</sub> )	Calibration of Instrument and validation of method for characterization of the measurand for analysis of Raw Meal	20 g			
116	CRM	Fly ash - Chemical parameter (Cl, Al <sub>2</sub> O <sub>3</sub> , CaO, Fe <sub>2</sub> O <sub>3</sub> , K <sub>2</sub> O, LOI, MgO, Na <sub>2</sub> O, SiO <sub>2</sub> , SO <sub>3</sub> )	Calibration of Instrument and validation of method for characterization of the measurand for analysis of Fly ash	20 g			
117	CRM	Blast Furnace Slag- Chemical parameter (Sulphide sulphur, Al <sub>2</sub> O <sub>3</sub> , CaO, Fe <sub>2</sub> O <sub>3</sub> ,	Calibration of Instrument and validation of method for characterization of the measurand for analysis of Blast Furnace Slag	20 g			

## List of Reference Material with NABL Accredited RMP

S.No	RM/CRM	Name of RM/CRM	Purpose/ Intended use	Pack size	Name of RMP	Contact Details	Link of Website
		GOI, IR, K <sub>2</sub> O, MgO, Mn <sub>2</sub> O <sub>3</sub> , Na <sub>2</sub> O, SiO <sub>2</sub> , SO <sub>3</sub> , TiO <sub>2</sub> )					
118	CRM	Coal - Chemical parameter (Ash, Gross Calorific Value, Moisture, Sulphur, Volatile Matter)	Calibration of Instrument and validation of method for characterization of the measurand for analysis of Coal	39 g	Standard Reference Material, National Council for Cement and Building Materials, Ballabgarh	Amit Trivedi cqcb@ncbindia.com 0129-4192239, 305	<a href="https://www.ncbindia.com/wp-content/uploads/PT_Schemes/RateList-CRMsBNDfor2021-22.pdf">https://www.ncbindia.com/wp-content/uploads/PT_Schemes/RateList-CRMsBNDfor2021-22.pdf</a>
119	CRM	Composite Cement - Chemical parameter (Al <sub>2</sub> O <sub>3</sub> , CaO, Cl, Fe <sub>2</sub> O <sub>3</sub> , IR, K <sub>2</sub> O, LOI, MgO, Na <sub>2</sub> O, SiO <sub>2</sub> , SO <sub>3</sub> )	Calibration of Instrument and validation of method for characterization of the measurand for analysis of Composite Cement	20 g			
120	CRM	Levofloxacin	Pharmaceutical testing, R & D and Method Validation	200mg	Indian Pharmacopoeia Commission, Indian Pharmacopoeia Laboratory, Ghaziabad	Dr. Anuj Prakash, Email: lab.ipc@gov.in, Contact No: 0120-2800500/2783392	www.ipc.gov.in
121	CRM	Nicotinamide	Pharmaceutical testing, R & D and Method Validation	200mg			
122	CRM	Chloroquine Sulphate	Pharmaceutical testing, R & D and Method Validation	200mg			
123	CRM	Fluoxetine Hydrochloride	Pharmaceutical testing, R & D and Method Validation	200mg			
124	CRM	Telmisartan	Pharmaceutical testing, R & D and Method Validation	200mg			
125	CRM	Glibenclamide	Pharmaceutical testing, R & D and Method Validation	200mg			
126	CRM	Ethylvanillin	Pharmaceutical testing, R & D and Method Validation	200mg			

## List of Reference Material with NABL Accredited RMP

S.No	RM/CRM	Name of RM/CRM	Purpose/ Intended use	Pack size	Name of RMP	Contact Details	Link of Website
127	CRM	Atenolol	Pharmaceutical testing, R & D and Method Validation	200mg	Indian Pharmacopoeia Commission, Indian Pharmacopoeia Laboratory, Ghaziabad	Dr. Anuj Prakash, Email: lab.ipc@gov.in, Contact No: 0120-2800500/2783392	<a href="http://www.ipc.gov.in">www.ipc.gov.in</a>
128	CRM	Chlorthalidone	Pharmaceutical testing, R & D and Method Validation	200mg			
129	CRM	Donepezil Hydrochloride	Pharmaceutical testing, R & D and Method Validation	200mg			
130	CRM	Enalapril Maleate	Pharmaceutical testing, R & D and Method Validation	200mg			
131	CRM	Metoprolol Tartrate	Pharmaceutical testing, R & D and Method Validation	200mg			
132	CRM	Propranolol Hydrochloride	Pharmaceutical testing, R & D and Method Validation	200mg			
133	CRM	Triamcinolone	Pharmaceutical testing, R & D and Method Validation	200mg			
134	CRM	Mebendazole	Pharmaceutical testing, R & D and Method Validation	200mg			
135	CRM	Isoniazid	Pharmaceutical testing, R & D and Method Validation	200mg			
136	CRM	Pyrimethamine	Pharmaceutical testing, R & D and Method Validation	200mg			
137	CRM	Sulphur Matrix : Di Butyl Sulphide in Paraffin liquid light/ Di Butyl Sulphide in 70% Iso Octane and 30% Toluene/ Fuels and lubricants -Base oil/ Mineral Oil/ Liquid Paraffin/ Refinery Fuel Streams	Calibration of Equipment - ED XRF- ASTM D 4294-2016/ ASTM D 7220-2017/ ISO 20847-2004/ ISO 8754-2003/ ISO 13032-2012 WD XRF-ASTM D 2622-2016/ ASTM D 20884:2016 UVF Analyser-ASTM D 5453-2019/ ASTM D7183:2018/ISO 20846:2011	100 ml	HPCL, RMP, Quality Control Laboratory, Visakhapatnam	Abhishek Dosodia , hpcrm@hpcl.in, 0891-2826906.	NA
138	CRM	Freezing Point Matrix : ATF/ Blend of petroleum Oils/ Blend of Chemicals	Performance verification of Equipment ASTM D 7153: 2015/ASTM D2386:2019.	250 ml			



## List of Reference Material with NABL Accredited RMP

S.No	RM/CRM	Name of RM/CRM	Purpose/ Intended use	Pack size	Name of RMP	Contact Details	Link of Website
139	CRM	Kinematic Viscosity Matrix: ATF/ Diesel/ Blend of petroleum Oils/ Blend of Chemicals/ Paraffin Liquid/ Base Oil/ Hydrocarbon Oils/ Synthetic Oils	Calibration and or performance verification of Equipment - ASTM D445: 2019/IS 1448 P:25: 2019/ISO 3104: 1994.	500 ml	HPCL, RMP, Quality Control Laboratory, Visakhapatnam	Abhishek Dosodia , hpcrm@hpcl.in, 0891-2826906	NA
140	CRM	Smoke Point Matrix: ATF/ Kerosene/ Blend of Petroleum Oils/ Blend of Chemicals	Performance verification of Equipment ASTM D 1322: 2019/ISO 3014:1993	250 ml			
141	CRM	Total Base Number Matrix: Lubricants/Mineral oils	Calibration and or performance verification of Equipment - ASTM D2896-2015/ASTM D4739:2017/ IS 1448 P:86- 1977/ ASTM D664:2018/ ASTM D974:2021	50 g			
142	CRM	Total Acid Number Matrix: Lubricants/Mineral oil/Petroleum oil	Performance verification of Equipment ASTM D664:2018/ASTM D974:2021	50 g			
143	CRM	Colour ASTM Matrix: Lubricants/ Mineral Oil./Synthetic Oil	Performance verification of Equipment ASTM D 6045-2020/ ASTM D 1500-2017/ IS 1448 Part- 12: 2018	500 ml			



## List of Reference Material with NABL Accredited RMP

S.No	RM/CRM	Name of RM/CRM	Purpose/ Intended use	Pack size	Name of RMP	Contact Details	Link of Website
144	CRM	Density Matrix : MS/ Kerosene/ ATF/ Diesel/ Hydrocarbon Solvents/ Fuels and Lubricants - Base Oil/ Mineral Oil/ Liquid Paraffin/ Refinery Fuel Stream	Performance verification of Equipment ASTM D 4052-2018/ ISO 3675-1998/ ASTM D 1298- 2017/ IS 1448 P 16:2019.	500 ml	HPCL, RMP, Quality Control Laboratory, Visakhapatnam	Abhishek Dosodia, hpcrm@hpcl.in, 0891-2826906	NA
145	CRM	COC Flash point Matrix : Base Oil/ Lubricants/ Hydrocarbon Oils	Performance verification of Equipment ASTM D 92: 2020/IS 1448 P:69: 2019.	250 ml			
146	CRM	Flash Point (PMCC) Matrix : HFHSD/ Lubricants/ Hydrocarbon Solvents	Performance verification of Equipment ASTM D 93: 2020/ISO 2719: 2016/IS 1448 P:21: 2019.	250 ml			
147	CRM	Flash Point (Abel) Matrix : Kerosene/ATF/ Diesel/ Hydrocarbon Solvents	Performance verification of Equipment IS 1448 P20:2019/IP170:2014/ISO 13736:2013.	250 ml			
148	CRM	Colour Saybolt Matrix : Petroleum Oil/ Blend of Chemicals/ Mineral Oil/ Synthetic Oil	Performance verification of Equipment IS 1448 P-14-2019/ ASTM D 6045-2020/ ASTM D 156-2015	500 ml			



## List of Reference Material with NABL Accredited RMP

S.No	RM/CRM	Name of RM/CRM	Purpose/ Intended use	Pack size	Name of RMP	Contact Details	Link of Website
149	CRM	AROMATICS Matrix: Petroleum Oil/ ATF	Performance verification of Equipment ASTM D 1319-2020/ IS 1448 Part 23-2016	250 ml	HPCL, RMP, Quality Control Laboratory, Visakhapatnam	Abhishek Dosodia , hpcrm@hpcl.in, 0891-2826906.	NA
150	CRM	OLEFINS Matrix: Petroleum Oil/ ATF	Performance verification of Equipment ASTM D 1319-2020/ IS 1448 Part 23-2016	250 ml			
151	CRM	SATURATES Matrix: Petroleum Oil/ ATF	Performance verification of Equipment ASTM D 1319-2020/ IS 1448 Part 23-2016/ISO 3837:1993.	250 ml			
152	CRM	FBP (Final Boiling Point) Matrix: Petroleum Oil/ Blend of Chemicals/ Mineral Oil	Performance verification of Equipment IS 1448 P18-2020/ ASTM D 86-2020/ ISO 3405-2019.	250 ml			
153	CRM	DISTILLATION IBP Matrix: Petroleum Oil/ Blend of Chemicals/ Mineral Oil	Performance verification of Equipment ASTM D 86: 2020/ISO 3405: 2019/IS 1448 P:18: 2020.	250 ml			
154	CRM	DISTILLATION Recovery % by Vol. at Temp °C Matrix: Petroleum Oil/ Blend of Chemicals/ Mineral Oil	Performance verification of Equipment ASTM D 86: 2020/ISO 3405: 2019/IS 1448 P:18: 2020.	250 ml			
155	CRM	Pour Point Matrix: Petroleum Oil/ Blend of Chemicals/ Mineral Oil/ Synthetic Oil	Performance verification of Equipment IS 1448 P 10 Sec 2: 2018/ ASTM D 97-2017/ ISO 3016-1994.	250 ml			





## List of Reference Material with NABL Accredited RMP

S.No	RM/CRM	Name of RM/CRM	Purpose/ Intended use	Pack size	Name of RMP	Contact Details	Link of Website
156	CRM	Aluminium alloys (Turning Form) - Chemical Parameter (Si, Fe, Mg, Cu, Mn, Zn, Pb, Sn, Ni)	Calibration of analytical equipment, validating and assessing analytical procedure.	100 gms.	CRM UNIT, AAC DIVISION, CSIR- National Metallurgical Laboratory	Dr. A.K.Upadhyay, aku@nmlindia.org, 9931156890	www.nmlindia.org
157	CRM	Blast Furnace slag (Powder Form) - Chemical parameter (SiO <sub>2</sub> , Al <sub>2</sub> O <sub>3</sub> , CaO, MgO, Fe (T), S, P, TiO <sub>2</sub> ).	Calibration of analytical equipment, validating and assessing analytical procedure.	100 gms.			
158	CRM	Brass (Turning Form) - Chemical parameter (Cu, Zn, Pb, P, Sn, Ni, Fe)	Calibration of analytical equipment, validating and assessing analytical procedure.	100 gms.			
159	CRM	Cast Iron & Alloy cast Iron (Turning form)- Chemical parameter (C, Si, Mn, P, S, Cr, Cu, Ni, Mg)	Calibration of analytical equipment, validating and assessing analytical procedure.	100 gms.			
160	CRM	Coal (Powder Form) - Chemical Parameter (GCV, Volatile Matter, Ash, Total Sulfur, C, H, N)	Calibration of analytical equipment, validating and assessing analytical procedure.	100 gms.			
161	CRM	Ferro - chromium (Powder form) - Chemical parameter (Cr, C, Si, P, S)	Calibration of analytical equipment, validating and assessing analytical procedure.	100 gms.			



## List of Reference Material with NABL Accredited RMP

S.No	RM/CRM	Name of RM/CRM	Purpose/ Intended use	Pack size	Name of RMP	Contact Details	Link of Website
162	CRM	Ferro -Manganese (Powder form) - Chemical parameter (Mn, Si, P, C, S,)	Calibration of analytical equipment, validating and assessing analytical procedure.	100 gms.	CRM UNIT, AAC DIVISION, CSIR- National Metallurgical Laboratory	Dr. A.K.Upadhyay, aku@nmlindia.org, 9931156890	<a href="http://www.nmlindia.org">www.nmlindia.org</a>
163	CRM	Ferro- Molybdenum (Powder Form) - Chemical parameter (Mo, Si, P, C, S)	Calibration of analytical equipment , validating and assessing analytical procedure.	100 gms.			
164	CRM	Ferro-Silicon (Powder form) - Chemical parameter( Si, Al, P, S, C)	Calibration of analytical equipment , validating and assessing analytical procedure.	100 gms.			
165	CRM	Ferro - Titanium (Powder Form) - Chemical parameter (Ti, Si, Al, P, C, S)	Calibration of analytical equipment , validating and assessing analytical procedure.	100 gms.			
166	CRM	Ferro-Vanadium (Powder Form ) - Chemical parameter (V , Si , C, P , S , Al)	Calibration of analytical equipment , validating and assessing analytical procedure.	100 gms.			
167	CRM	High alloy Steel (Disc form or turning form) - Chemical parameter (C ,Si, Mn, P, S , Cu, Co, Ni ,Cr, Mo ,V).	Calibration of analytical equipment , validating and assessing analytical procedure.	1 nos./100 gms.			
168	CRM	Hydrogen (PIN Shape) - Chemical parameter (Hydrogen)	Calibration of analytical equipment , validating and assessing analytical procedure.	100 gms.			



## List of Reference Material with NABL Accredited RMP

S.No	RM/CRM	Name of RM/CRM	Purpose/ Intended use	Pack size	Name of RMP	Contact Details	Link of Website
169	CRM	Iron Ore (Powder Form) - Chemical parameter (Fe[T], SiO <sub>2</sub> , Al <sub>2</sub> O <sub>3</sub> , S, P, TiO <sub>2</sub> )	Calibration of analytical equipment, validating and assessing analytical procedure.	100 gms.	CRM UNIT, AAC Division, CSIR-National Metallurgical Laboratory	Dr. A.K.Upadhyay, aku@nmlindia.org, 9931156890	www.nmlindia.org
170	CRM	Lime Stone (Powder Form) - Chemical parameter (CaO, MgO, SiO <sub>2</sub> , Fe <sub>2</sub> O <sub>3</sub> , Al <sub>2</sub> O <sub>3</sub> , LOI, S)	Calibration of analytical equipment, validating and assessing analytical procedure.	100 gms.			
171	CRM	Manganese Ore (Powder Form) - Chemical parameter([Mn (T)], [Fe (T)], SiO <sub>2</sub> , Al <sub>2</sub> O <sub>3</sub> , P, S,)	Calibration of analytical equipment, validating and assessing analytical procedure.	100 gms.			
172	CRM	Plain Carbon and Low alloy Steel (Disc form or turning form) - Chemical parameter (C, Si, Mn, P, S, Cr, Ni, Cu, Mo, Al, Co, Nb, Ti, V, Zr, B).	Calibration of analytical equipment, validating and assessing analytical procedure.	(1 nos /100 gms.)			
173	CRM	High Speed Diesel (Abel Flash Point, Kinematic Viscosity at 40 deg C, Sulphur)	Calibration / performance verification of equipment for the parameter's 1) Abel Flash Point (IS 1448 P:20/ IP 170) 2) Kinematic Viscosity at 40 deg C ( IS 1448 P:25/ASTM D 445 /ASTM D 7042) 3) Sulphur ( ASTM D 5453	500 ml			



## List of Reference Material with NABL Accredited RMP

S.No	RM/CRM	Name of RM/CRM	Purpose/ Intended use	Pack size	Name of RMP	Contact Details	Link of Website
			XRF/Coulometer/ UVF Technique)				
174	CRM	Lubricating oil (Kinematic Viscosity at 40 deg C, Kinematic Viscosity at 100 deg C , Flash Point (COC), Pour Point)	Calibration / performance verification of equipment for the parameter's 1) Kinematic Viscosity at 40 deg C ( IS 1448 P:25/ASTM D 445 /ASTM D 7042 ) 2) Kinematic Viscosity at 100 deg C ( IS 1448 P:25/ASTM D 445 /ASTM D 7042) 3) Flash Point,COC ( (IS 1448 P :69 / ASTM D 92) 4) Pour Point ( IS 1448 P:10 / ASTM D 97)	500 ml	BPCL RMP, QA Laboratory, Sewree A Installation, Mumbai	N V.R.Kamble kamblevs@bharatpetroleum.in 9586107012	<a href="https://www.bharatpetroleum.in/our-businesses/proficiency-testing/reference-material.aspx">https://www.bharatpetroleum.in/our-businesses/proficiency-testing/reference-material.aspx</a>
175	CRM	Aviation Turbine Fuel (Abel Flash Point, Freezing Point, Smoke Point, Sulphur)  Matrix : Aviation Turbine Fuel	Calibration / performance verification of equipment for the parameter's 1) Abel Flash Point (IS 1448 P:20/ IP 170) 2) Freezing Point (IS 1448 P:11/ASTM D 2386) 3) Smoke Point (IS 1448 P:31 /ISO 3014 /IP 598/ ASTM D 1322) 4) Sulphur (XRF/Coulometer/ UVF Technique as per ASTM D 4294 /ISO 20847/ ASTM D 5453)	500 ml			



## List of Reference Material with NABL Accredited RMP

S.No	RM/CRM	Name of RM/CRM	Purpose/ Intended use	Pack size	Name of RMP	Contact Details	Link of Website
176	CRM	Lubricating oil (Total Acid No (TAN ,Total Base no.TBN)	Calibration / performance verification of equipment for the parameter's 1) Total Acid No (IS 1448, P-1/ ASTM D 664) 2 ) Total Base No (IS 1448, P:86 /ASTM D2896)	250 ml	BPCL RMP, QA Laboratory, Sewree A Installation, Mumbai	N V.R.Kamble kamblevs@bharatpetroleum.in 9586107012	<a href="https://www.bharatpetroleum.in/our-businesses/proficiency-testing/reference-material.aspx">https://www.bharatpetroleum.in/our-businesses/proficiency-testing/reference-material.aspx</a>
177	CRM	Gasoline / Diesel/ Aviation Turbine Fuel (Distillation Standard IBP,10%,20%,30%,40%,50%,60%,70%,80%,90%,95%,FBP)	Calibration / performance verification of equipment for the parameter's 1) Distillation, Deg C , IBP, 10% ,20%, 30%, 40%, 50%,60%,70%,80%,90%,95%, FBP. ( IS 1448, P:18 / ASTM D 86)	500 ml			
178	CRM	Steel Hardness Block - 44.33 (HRC)	Testing of Rockwell Hardness ( C scale)	1 Pc (Diameter- 68mm, Thickness- 10mm )	Global PT Provider Limited (RMP Division), Delhi	Umesh Gupta, qa@globalptprovider.com 9873001501	<a href="https://globalptprovider.com/home/ReferenceMaterials.aspx">https://globalptprovider.com/home/ReferenceMaterials.aspx</a>
179	CRM	Steel Hardness Block - 61.04 (HRC)	Testing of Rockwell Hardness ( C scale)	1 Pc (Diameter- 60mm, Thickness- 10mm)			
180	RM	Steel Hardness Block ~ 92 (HRBW)	Testing of Rockwell Hardness ( B scale)	1 Pc (Diameter- 68mm, Thickness- 10 mm)			



## List of Reference Material with NABL Accredited RMP

S.No	RM/CRM	Name of RM/CRM	Purpose/ Intended use	Pack size	Name of RMP	Contact Details	Link of Website
181	RM	Steel Hardness Block ~ 68 (HRBW)	Testing of Rockwell Hardness ( B scale)	1 Pc ( Diameter- 61mm, Thickness- 10 mm )	Global PT Provider Provider Limited (RMP Division), Delhi	Umesh Gupta, qa@globalptprovider.com 9873001501	<a href="https://globalptprovider.com/home/ReferenceMaterials.aspx">https://globalptprovider.com/home/ReferenceMaterials.aspx</a>
182	RM	Steel Hardness Block ~ 200 (HBW 2.5/187.5)	Testing of Brinell Hardness (2.5/187.5)	1 Pc (Diameter- 68mm, Thickness- 10 mm )			
183	RM	Steel Hardness Block ~ 350 (HBW 2.5/187.5)	Testing of Brinell Hardness (2.5/187.5)	1 Pc (Diameter- 61mm, Thickness- 10 mm )			
184	RM	Steel Hardness Block ~ 670 (HBW 2.5/187.5)	Testing of Brinell Hardness (2.5/187.5)	1 Pc (Diameter- 60mm, Thickness- 10 mm )			
185	RM	Steel Hardness Block ~ 200 (HBW 10/3000)	Testing of Brinell Hardness (10/3000)	1 Pc (Diameter- 88mm, Thickness- 16 mm )			



## List of Reference Material with NABL Accredited RMP

S.No	RM/CRM	Name of RM/CRM	Purpose/ Intended use	Pack size	Name of RMP	Contact Details	Link of Website
186	RM	Steel Hardness Block ~ 360 (HBW 10/3000)	Testing of Brinell Hardness (10/3000)	1 Pc (Diameter- 87mm, Thickness- 16 mm)	Global PT Provider Provider Limited (RMP Division), Delhi	Umesh Gupta, qa@globalptprovider.com 9873001501	<a href="https://globalptprovider.com/home/ReferenceMaterials.aspx">https://globalptprovider.com/home/ReferenceMaterials.aspx</a>
187	RM	Steel Hardness Block ~ 585 (HBW 10/3000)	Testing of Brinell Hardness (10/3000)	1 Pc (Diameter- 88mm, Thickness- 16 mm)			
188	RM	Steel Hardness Block ~ 205 (HV-1)	Testing of Vickers Hardness (HV1)	1 Pc (Diameter- 63mm, Thickness- 10 mm)			
189	RM	Steel Hardness Block ~ 425 (HV-1)	Testing of Vickers Hardness (HV1)	1 Pc (Diameter- 68mm, Thickness- 9 mm)			
190	RM	Steel Hardness Block ~ 735 (HV-1)	Testing of Vickers Hardness (HV1)	1 Pc (Diameter- 60mm, Thickness- 10 mm)			



## List of Reference Material with NABL Accredited RMP

S.No	RM/CRM	Name of RM/CRM	Purpose/ Intended use	Pack size	Name of RMP	Contact Details	Link of Website
191	CRM	Steel Hardness Block -735.6 (HV-5)	Testing of Vickers Hardness (HV5)	1 Pc (Diameter- 60mm, Thickness- 10 mm )	Global PT Provider Limited (RMP Division), Delhi	Umesh Gupta, qa@globalptprovider.com 9873001501	<a href="https://globalptprovider.com/home/ReferenceMaterials.aspx">https://globalptprovider.com/home/ReferenceMaterials.aspx</a>
192	RM	Steel Hardness Block ~ 210 (HV-10)	Testing of Vickers Hardness (HV10)	1 Pc (Diameter- 68mm, Thickness- 10 mm )			
193	RM	Steel Hardness Block ~ 462 (HV-10)	Testing of Vickers Hardness (HV10)	1 Pc ( Diameter- 62mm, Thickness- 9 mm )			
194	RM	Steel Hardness Block ~ 719 (HV-10)	Testing of Vickers Hardness (HV10)	1 Pc ( Diameter- 60mm, Thickness- 10 mm )			
195	RM	Steel Hardness Block ~ 200 (HV-30)	Testing of Vickers Hardness (HV30)	1 Pc ( Diameter- 68mm, Thickness- 10 mm )			





## List of Reference Material with NABL Accredited RMP

S.No	RM/CRM	Name of RM/CRM	Purpose/ Intended use	Pack size	Name of RMP	Contact Details	Link of Website
196	RM	Steel Hardness Block ~ 520 (HV-30)	Testing of Vickers Hardness (HV30)	1 Pc (Diameter- 60mm, Thickness- 9 mm)	Global PT Provider Limited (RMP Division), Delhi	Umesh Gupta, qa@globalptprovider.com 9873001501	<a href="https://globalptprovider.com/home/ReferenceMaterials.aspx">https://globalptprovider.com/home/ReferenceMaterials.aspx</a>
197	RM	Steel Hardness Block ~ 722 (HV-30)	Testing of Vickers Hardness (HV30)	1 Pc (Diameter- 60mm, Thickness- 10 mm)			
198	RM	Tensile Test specimen (Steel Round bar) ~ 490 N/mm <sup>2</sup>	Testing of Ultimate tensile strength (As per ASTM E8)	2 Pcs (Diameter- 12.5mm, length- 300 mm)			
199	RM	Tensile Test specimen (Steel Round bar) ~ 715 N/mm <sup>2</sup>	Testing of Ultimate tensile strength (As per ASTM E8)	2 Pcs (Diameter- 12.5mm, length- 230 mm)			
200	RM	Tensile Test specimen (Steel Round bar) ~ 500 N/mm <sup>2</sup>	Testing of Ultimate tensile strength (As per ASTM E8)	2 Pcs (Diameter- 12.5mm, length- 240 mm)			



## List of Reference Material with NABL Accredited RMP

S.No	RM/CRM	Name of RM/CRM	Purpose/ Intended use	Pack size	Name of RMP	Contact Details	Link of Website
201	RM	Tensile Test specimen (Round bar) ~ 505 N/mm <sup>2</sup>	Testing of Ultimate tensile strength (As per ISO 6892 -1)	2 Pcs ( Diameter r- 10mm, length- 240 mm )	Global PT Provider Limited (RMP Division), Delhi	Umesh Gupta, qa@globalptprovider.com 9873001501	<a href="https://globalptprovider.com/home/ReferenceMaterials.aspx">https://globalptprovider.com/home/ReferenceMaterials.aspx</a>
202	RM	Tensile Test specimen (Round bar) ~ 725 N/mm <sup>2</sup>	Testing of Ultimate tensile strength (As per ISO 6892 -1)	2 Pcs ( Diameter r- 10mm, length- 230 mm )			
203	RM	Tensile Test specimen (Round bar) ~ 920 N/mm <sup>2</sup>	Testing of Ultimate tensile strength (As per ISO 6892 -1)	2 Pcs ( Diameter r- 10mm, length- 230 mm )			
204	RM	Tensile Test specimen (Flat Steel Dumbell) ~ 430 N/mm <sup>2</sup>	Testing of Ultimate tensile strength (As per ASTM E8/ ISO 6892 -1)	2 Pcs ( length- 200 mm, thickness- 10mm width 12.5mm )			



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S.No	RM/CRM	Name of RM/CRM	Purpose/ Intended use	Pack size	Name of RMP	Contact Details	Link of Website
205	RM	UPV PMMA Block ~ 49 $\mu$ S	Testing of ultrasonic pulse velocity	1 Pc ( Diameter- 50mm, length- 124 mm )	Global PT Provider Limited (RMP Division), Delhi	Umesh Gupta, qa@globalptprovider.com 9873001501	<a href="https://globalptprovider.com/home/ReferenceMaterials.aspx">https://globalptprovider.com/home/ReferenceMaterials.aspx</a>
206	RM	UPV PMMA Block ~ 27 $\mu$ S	Testing of ultrasonic pulse velocity	1 Pc (Diameter- 50mm, length- 70 mm )			