

TESTING FACILITIES OF DGQA LABS –CQA(PP), KANPUR

STORES DTE

UNDER NABL SCOPE

Name of the Estt with address, Name of Nodal Officer and contact No.	Srl No	Testing Facilities available	Range of test Eqpt
CQA (PP), Kanpur– 208004. A.K. Sonker, SSO-II Contact No. 0512-2328308 Email-cqappknp-dgqa@nic.in	1.	Visual examination	
	2.	Drop point by method IS 1448 P-52 : 1971 (RA-2007) / IP-132/ASTM-D566	Ambient to 300°C
	3.	Drop Melting Point by method IP-133/ASTM-D-127	Ambient to 300°C
	4.	Consistency of the grease in terms of Penetration No. by method IS 1448 P-60: 1994 (RA- 2006) P-92 : 1979 (RA-2010).	1 to 400 Units
	5.	Free Acidity as Oleic Acid (% by Mass) by method IS 1448 P-53: 1979 (RA-2007).	0.00 to 20.00 %
	6.	Free Alkalinity as (% by Mass) by method IS 1448 P-53: 1979 (RA-2002).	0.00 to 20.00 %
	7.	Copper Strip Corrosion by method IS 1448 P-51: 1963 (RA-2008).	Qualitative Test
	8.	Heat Stability by method IS 1448 P-62 : 1974 (RA-2008)	Qualitative Test
	9.	Oil Separation/ Thermal Stability by method IS 1448 P-89: 1979 (RA-2007).	0.02 to 10.00 %
	10.	% Evaporation Loss by method IS 1448 P-61 : 1974 (RA-2008)	0.1 to 50 %
	11.	Flash Point (COC) by method IS 1448 P: 69 : 1969(RA-2013)	79 to 398°C
	12.	Kinematics Viscosity (K.V.) at 100°C in cSt by method IS 1448 P:25 : 1976 (RA-2007)	1.0 to 45.0 Cst
	13.	Kinematics Viscosity (K.V.) at 40 °C in cSt by method IS 1448 P:25 : 2002	1.0 to 440.0Cst
	14.	Viscosity Index by method IS 1448 P:56 : 1980(RA-2013)	Calculated from K.V
	15.	Sap Value as mg KOH/g of sample by method IS 1448 P: 55 : 1963 (RA-2004)	2.0 to 70.0
	16.	pH values by method JSS 9150-11 Appendix -‘B’	1.0 to 14.0
	17.	Oleic acid,% by mass by method JSS 9150-11, Appendix -‘A’	5.0 to 25.0
	18.	Triethanolamine, % by mass by method JSS 9150-11, Appendix –‘A’	0.5 to 10.0
	19.	Copper Strip Corrosion by method IS 1448 P: 15: 2010	Qualitative Test
	20.	Emulsion characteristics by method IS 1448 P:91 : 1979 (RA2007)	Qualitative Test
	21.	Flash Point (PMC) °C by method IS 1448 P:21 : 1992 (RA2012)	48 to 200°C
	22.	% Ash by method IS 1448 P:4 1984 (RA2007)	0.001 to 5.0

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NOT UNDER NABL SCOPE

23.	Kinematics Viscosity at 37.80 °C by method IS 1448 P:25 : 2002	1.0 to 440.0Cst
24.	Kinematics Viscosity at 60 °C by method IS 1448 P:25 : 2002	1.0 to 100.0 cst
25.	Pour Point & Cloud Point °C by method IS 1448 P:10	Up to(-) 24°C
26.	Electric Strength (kW) (IS : 6792)	Up to 100 kW
28.	Mild Steel Corrosion Test JSS: 9150 – 10 : 2005, Appendix - B	Qualitative Test
29.	Equilibrium Reflux Boiling Point IS : 8654 Appendix - A	190 °C – 300 °C
30.	Sulphated Ash % by mass by method IS 1448 P:4	Ash- 0.001 to 5.0 % . .
31.	Distillation by method IS 1448 P:18	0 to 400°C
32.	Existent Gum by method IS 1448 P:29	Max 100 mg/100ml
33.	Doctor Test by method IS 1448 P:19	Qualitative test
34.	Water Reaction IS : 1448 P: 42	Qualitative test
35.	Flash Point Abel's Cup IS : 1448 P: 20	Up to 60°C
36.	Water Content IS : 1448 P: 40	1.0%(Max)
37.	Density IS : 1448 P: 16 & 32	0.700 to 0.999 gm/cc
38.	Water Absorption DEF STAN 91-27, Annex -B	70 % (max)
39.	Extraction of oil from Grease 1448 P: 59	Qualitative test
40.	Protection against Corrosion IS:1674 Appendix -A	Qualitative test
41.	Residual film IS:1674 , Clause no 4.1.2	Qualitative test
42.	Drying time IS:1153 Appendix-A	Qualitative test
43.	Removability IS:1674 Clause no 4.1.5	Qualitative test
44.	Penetration Un-worked	1 to 400

