

MINERAL TURPENTINE OIL (MTO)
IS 1745:1978(Reaffirmed-2000)

CHARACTERISTICS	SOLVENT 125/240	SOLVENT 145/205 LOW AROMATIC	SOLVENT 145/205 HIGH AROMATIC	METHOD OF TEST, IS 1448 ¹
Colour (Saybolt), min.	+21	+20	+20	P:14
Colour (ASTM), max.	--	--	--	P:12
Density at 15°C, g/ml	Not limited, but to be reported			P:16
Flash point (Abel), °C min.	30	35	35	P:20
Distillation range: a. Initial Boiling Point, °C, min. b. 50% vol. recovered at, °C c. 95% vol. recovered at, °C d. Final Boiling Point, °C, max. e. Dry Point, max.	125 Not limited, but to be reported 240 -----	145 Not limited, but to be reported 205 -----	145 Not limited, but to be reported 205 -----	P:18
Aromatics, % vol., max.	40	40	40	!P:23 or P:48
Sulphur, total, % mass, max.	-----	-----	-----	P:34 or P:83
Copper strip corrosion for 3 hrs. at 50°C	Not worse than 1			P:15
Residue on evaporation mg/100 ml, max.	5	5	5	P:29 (Air Jet)

*Methods of test for petroleum and its products.

¹ In case of Dispute, Method P: 23 & P: 34 shall be used as referee method

MINERAL TURPENTINE OIL
(ASTM / IP / IS1448)
TYPICAL TEST RESULTS – KOYALI

CHARACTERISTICS	TEST METHOD	SPECIFICATION	TEST RESULTS
Aromatics, % vol. max	P:48	40.0	7.86
Copper Strip Corrosion @50°C, 3 hrs.	P:15	Not worse than 1	1b
Colour Saybolt	P:14	21.0	21.0
Density at 15 °C, kg/m ³	P:16	--	783.3
Distillation:	P:18		
IBP, °C, min.		125.0	152.0
Recovery 50% Vol., °C		--	184.0
Recovery 95% Vol., °C		--	224.0
FBP, °C, max.		240.0	234.0
Loss, % vol. max		1.0	1.0
Flash Point, °C, min	P:20	30.0	37.0
Residue on Evaporation (Air Jet), mg/dcl, max	P:29	5.0	2.04

MINERAL TURPENTINE OIL
(ASTM / IP / IS1448)
TYPICAL TEST RESULTS – PANIPAT

CHARACTERISTICS	TEST METHOD	SPECIFICATION	TEST RESULTS
Aromatics, % vol. max	P:23 & 48	40.0	15.0
Copper Strip Corrosion @50°C, 3 hrs.	P:15	Not worse than 1	1b
Colour Saybolt, min.	P:14	20.0	24.0
Density at 15 °C, kg/m ³	P:16	--	785.8
Distillation:	P:18		
IBP, °C, min.		145.0	155.0
Recovery 50% Vol., °C		--	164.0
Recovery 95% Vol., °C		--	174.0
FBP, °C, max.		205.0	199.0
Loss, % vol. max		1.0	1.0
Flash Point (Abel), °C, min	P:20	35.0	39.0
Residue on Evaporation (Air Jet), mg/dcl, max.	P:29	5.0	1.0