

12000000 Chemicals including Bio Chemicals and Gas Materials

Commodity : Carbon disulphide; UNSPSC CODE :

Selling Unit : volume-liter

S.No.	Parameters	Type	Value 1	Value 2	Value 3	Value 4	Validation/ Remark	M	F	G	Demand aggregation
Description											
1	The material shall consist essentially of carbon disulphide (CS ₂), and shall be a clear, colourless or slightly yellow liquid free from suspended matter	Ch	Yes					√			
REQUIREMENTS											
2	Relative density at 27°C/27°C	EN	1.251 to 1.262					√			
3	Distillation range percent percent by volume, Min	Ch	95 percent shall distil within 1°C including 46.6°C					√			
4	Residue on evaporation, percent by weight, Max	N	0.01					√			
5	Acidity	Ch	shall not show any acid reaction					√			
6	Hydrogen sulphide, sulphur dioxide and other reducing substances (as H ₂ S), ppm, Max	N	5.00					√			
7	Chemical formula	Ch	CS ₂					√			
8	Molecular weight (g/mol)	N	76.14					√			
9	Assay (GC)%	N	99.9	NA				√	√		

10	Grade	Ch	GR	ACS	NA			√	√		
11	Boiling Point °C	N	46-47	NA				√	√		
12	Non-volatile Matter % max	N	0.002	NA				√	√		
13	Copper (Cu) % max	N	0.00001	NA				√	√		
14	Iron (Fe) % max	N	0.0002	NA				√	√		
15	Lead (pb) % max	N	0.00005	NA				√	√		
16	Hydrogen Sulphide (H ₂ S) % max	N	0.00015	NA				√	√		
17	Sulphur Dioxide (SO ₂) % max	N	0.00025	NA				√	√		
18	Water (KF) % max	N	0.05	NA				√	√		
PRECAUTIONS IN HANDLING											
19	Owing to the high degree of flammability of the material and its vapours and its high volatility at ordinary temperatures, care should be taken at all stages of sampling, storing and testing the material to avoid risks of fire and explosion The material is also toxic and harmful to human system if vapour or liquid is inhaled or allowed to come into prolonged or repeated contact with the skin The precautions may be followed as per IS 5685	Ch	Yes					√			

Packing											
20	Packing material	Ch	well-closed screw-capped containers of galvanized iron	amber glass	as agreed to between the purchaser and the			√	√		
21	If the containers are closed with a cork, the cork shall be protected with a metal foil	Ch	Yes	NA				√			
22	Necessary safeguard against the risk arising from the storage and handling of this material shall be provided and precautions shall be taken at all times to prevent accident by fire and explosion	Ch	Yes					√			

23	All containers for storage and transport of the material shall, in addition, comply with the requirements of the latest issue of Red Tariff issued by Indian Railway Conference Association; the requirements laid down from time to time by the Chief Inspector of Explosives, Government of India, for packing, storage and transit of flammable liquids	Ch	Yes					✓			
24	Packing size (in ml)	N	500	1000				✓	✓		
Marking											
25	All containers in which the material is stored or transported shall be prominently and clearly marked with the 'HIGHLY FLAMMABLE LIQUID KEEP FIRE AND OPEN FLAME AWAY' along with symbol given in Fig 3 of IS 1260, and the legend THIS WAY UP along with symbol given in Fig 3 of IS 1286	CH	YES					✓			

26	Each container shall be marked with the following information: a) Manufacturer's name; b) Recognized trade-mark, if any; c) Net weight of the material; and d) Month and year of manufacture	CH	YES						√			
27	The containers may also be marked suitably with the ISI Certification Mark	CH	YES	NA					√	√		
Shelf Life												
28	Shelf Life (years)	N	1	2	3	4			√	√	√	
Certification												
29	Conforming to IS:717(Latest)	CH	YES	NA					√	√		
30	Whether ISI Marked	CH	YES	No					√	√		
31	CM/L Number(Must declare if ISI Marked)	CH	YES	NA					√	√		
Test Report Details												
32	Availability of Test Report from Central Govt/NABL/ILAC accredited lab to prove conformity to specification	Ch	Yes	No					√	√		
33	Test Report to be submitted to the Buyer on Demand write NA if Test report is not available	Ch	Yes	NA					√	√		