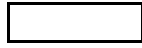


Chemicals including Bio Chemicals and Gas Materials UNSPSC : 1200000												
Elements and gases UNSPSC : 12140000												
Industrial use gases UNSPSC : 12142100												
Commodity : Ammonia (AR Grade) UNSPSC:12142110												
Selling Unit : Volume-ml												
S.No.	Parameters	Type	Value 1	Value 2	Value 3	Value 4	Validation	Unit	M	F	G	Demand aggregation
REQUIREMENTS FOR AMMONIA LIQUOR												
1	Ammonia, percent by mass,Min	EN	25						√			1
2	Residue on evaporation, percent by mass,Max	EN	0.002						√			2
3	Carbonate(as CO ₂),percent by mass,Max	EN	0.01						√			3
4	Chloride (as Cl),percent by mass,Max	EN	0.00005 (0.5 ppm)						√			4
5	Phosphate (as PO ₄),percent by mass,Max	EN	0.0001 (1 ppm)						√			5
6	Silicate (as SiO ₂),percent by mass,Max	EN	0.001 (10ppm)						√			6
7	Sulphate (as SO ₄),percent by mass,Max	EN	0.0002 (2 ppm)						√			7
8	Sulphide (as S),percent by mass,Max	EN	0.00001 (0.1 ppm)						√			8
9	Arsenic (as As),percent by mass,Max	EN	0.000005 (0.05 ppm)						√			9
10	Calcium and magnesium (as Ca)percent by mass,Max	EN	0.0004 (4 ppm)						√			10
11	Copper (as Cu),percent by mass,Max	EN	0.00001 (0.1 ppm)						√			11
12	Iron (as Fe),percent by mass,Max	EN	0.00002 (0.2ppm)						√			12
13	Heavy metals (as Pb),percent by mass,Max	EN	0.00004 (0.4 ppm)						√			13
14	Reducing substances (as O),percent by mass,Max	CH	To pass test						√			14
15	Pyridine and homologues,percent by mass,Max	CH	To pass test						√			15
Physical Characteristics												
16	Material: It shall be a clean and colourless liquid of extremely pungent and characteristic odour, free from suspended matter and sediment.	CH	YES						√			16
17	Form	CH	Liquid						√			17
18	Colour	CH	Colourless						√			18
Packing , Marking and Labelling												
19	The material shall be packed in suitable containers fitted with stoppers bound with wire to prevent popping up of the stopper due to temperature variation, or as agreed to between the purchaser and the supplier. Ten percent ullage shall also be provided in the containes.	CH	YES						√			19
20	Each container shall be marked with the following: a) Name of the material and its grade; b) Name of the manufacturer and/or his recognized trade-mark, if any; c) Mass in g or volume in ml of the material; d) Date of manufacture; and e) Lot number	CH	YES						√			20

21	Each containers shall be provided with a label containing the following warning: LIQUID CAUSES BURNS- VAPOUR EXTREMELY IRRITATING : HANDLE WITH CARE.	CH	YES									21
Certification												
22	Ammonia IS: 799(Latest)	CH	Yes						v			22
23	Whether ISI Marked	CH	Yes	No					v	v		23
24	CM/L Number(Must declare if ISI Marked)	CH	Yes						v			24
Test Report Details												
25	Availability of Test Report from Central Govt/ State Govt/NABL/ILAC accredited lab(hint: Must be declared)	CH	Yes	NO					v	v		25
26	Test Report Number(Must be declared, write NA if Test Report is not available)	CH							v			26
27	Test Report date(Must be declared, write NA if Test Report is not available)	CH							v			27
28	Name of the Lab(Must be declared, write NA if Test Report is not available)	CH							v			28
29	Address of the Lab(Must be declared, write NA if Test Report is not available)	CH							v			29
30	Test Report to be furnished to the Buyer on demand(Must be declared, write NA if Test Report is not available)	CH							v			30



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