

TABLE 1 REQUIREMENTS FOR AMMONIA, LIQUOR

(Clause 3.2)

SL No.	CHARACTERISTIC	REQUIREMENT		METHOD OF TEST, REF TO CLAUSE No. IN APPENDIX B
		Technical Grade	Analytical Reagent Grade	
(1)	(2)	(3)	(4)	(5)
i)	Ammonia, percent by mass, <i>Min</i>	20.0	25.0	B-2
ii)	Residue on evaporation, per- cent by mass, <i>Max</i>	0.1	0.002	B-3
iii)	Carbonate (as CO_2), percent by mass, <i>Max</i>	—	0.01	B-4
iv)	Chloride (as Cl), percent by mass, <i>Max</i>	—	0.000 05 (0.5 ppm)	B-5
v)	Phosphate (as PO_4), percent by mass, <i>Max</i>	—	0.000 1 (1 ppm)	B-6
vi)	Silicate (as SiO_2), percent by mass, <i>Max</i>	—	0.00 1 (10 ppm)	B-6
vii)	Sulphate (as SO_4), percent by mass, <i>Max</i>	—	0.000 2 (2 ppm)	B-7
viii)	Sulphide (as S), percent by mass, <i>Max</i>	—	0.000 01 (0.1 ppm)	B-8
ix)	Arsenic (as As), percent by mass, <i>Max</i>	—	0.000 005 (0.05 ppm)	B-9
x)	Calcium and magnesium (as Ca), percent by mass, <i>Max</i>	—	0.000 4 (4 ppm)	B-10
xi)	Copper (as Cu), percent by mass, <i>Max</i>	—	0.000 01 (0.1 ppm)	B-11
xii)	Iron (as Fe), percent by mass, <i>Max</i>	—	0.000 02 (0.2 ppm)	B-12
xiii)	Heavy metals (as Pb), per- cent by mass, <i>Max</i>	—	0.000 04 (0.4 ppm)	B-13
xiv)	Reducing substances (as O), percent by mass, <i>Max</i>	—	To pass test	B-14
xv)	Pyridine and homologues, percent by mass, <i>Max</i>	—	To pass test	B-15

NOTE:- Test report to be obtained⁵ from NABL accredited Lab/
govt. approved labs and it should contain the above
parameters.

Suman Ray

(SUNAN KUMAR ROY)
DM/Tsx/BHEL PSSR