



GrowHow UK Limited
Ref: GrowHow/AS/33-34/Sales
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GROWHOW UK LIMITED STANDARD SALES SPECIFICATION

PRODUCT : Ammonia solution, aqua ammonia, ammonium hydroxide, ammonia liquor.
FORMULA : NH_4OH
SPECIFICATION NUMBER : GrowHow/AS/ 33-34/Sales
PRODUCT SOURCE : Billingham, UK

SPECIFICATION DETAILS

PARAMETER	UNITS	VALUE	TEST
Ammonia Strength	% w/w	33.0 - 34.0	GH/AS(F)2/4/1
Specific Gravity (15.5°/15.5°C)	Typical	0.887 - 0.884	--
Arsenic, as As_2O_3	ppm w/w	max 0.1	GH/AS(F)2/4/2
Carbonate, as CO_3	ppm w/w	max 20.0	GH/AS(F)2/4/3
Chloride, as Cl	ppm w/w	max 2.0	GH/AS(F)2/4/4
Copper, as Cu	ppm w/w	max 1.0	GH/AS(F)2/4/6
Iron, as Fe	ppm w/w	max 1.0	GH/AS(F)2/4/6
Lead, as Pb	ppm w/w	max 1.0	GH/AS(F)2/4/6
Phosphate, as PO_4	ppm w/w	max 2.0	GH/AS(F)2/4/4
Silicate, as SiO_2	ppm w/w	max 1.0	GH/AS(F)2/4/11
Sodium, as Na	ppm w/w	Max 1.0	GH/AS(F)2/4/6
Sulphate, as SO_4	ppm w/w	max 2.0	GH/AS(F)2/4/4
Colour	HU	max 20	GH/AS(F)2/4/5
Turbidity	NTU	max 3	GH/AS(F)2/4/14
Residue on Ignition	ppm w/w	max 10.0	GH/AS(F)2/4/10
Residue on evaporation	ppm w/w	max 25	GH/AS(F)2/4/9

Information in this specification is believed to be accurate and is given in good faith, but it is for the Customer to satisfy itself of the suitability for its own particular purpose. Accordingly GrowHow gives no warranty as to the fitness of the product for any particular purpose and any implied warranty or condition (statutory or otherwise) is excluded except to the extent that such exclusion is prevented by law. Freedom under Patent, Copyright and Designs cannot be assumed. Any trade marks herein identified and the GrowHow logo are trade marks of GrowHow UK Limited.

This specification has been approved by the GrowHow UK Limited, Technical Services Manager