



GrowHow UK Limited
Ref: GrowHow/AS/24.5/Sales
Issue Date: 01 June 2011
Printed on: 01 June 2011

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GROWHOW UK LIMITED STANDARD SALES SPECIFICATION

PRODUCT : Ammonia Solution, aqua ammonia,
ammonium hydroxide ammonia liquor

FORMULA : NH₄OH

SPECIFICATION NUMBER : GrowHow/AS/24.5/Sales

PRODUCT SOURCE : Billingham, UK.

SPECIFICATION DETAILS

PARAMETER	UNITS	VALUE	TEST
Ammonia Strength	-	24.5% (+ 0.4% / - 0.5%)	GH/AS(F) 2/4/1
Specific Gravity (15.5°/15.5°C)	-	Dependent on concentration	
Arsenic, as As ₂ O 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 Si O 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 20.0	GH/AS(F) 2/4/5
Turbidity	NTU	max 3.0	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 25.0	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