

Hydrazine Hydrate 100%

Specification data sheet

Rev: Jun-2009

Reference: ARKHH100

N° CAS : 302-01-2

N° EINECS : 206-114-9

I – GUARANTEED COMMERCIAL SPECIFICATIONS

Characteristics	Units	Values	Analysis Methods (*)
Assay N ₂ H ₄ , H ₂ O	% by weight	100 ± 0.5	Acidimetry - LABO/3/07
N ₂ H ₄ content	% by weight	64 ± 0.4	Acidimetry - LABO/3/07
Cl ⁻ content	ppm	≤ 0.5	Chromatography ionic - LABO/3/153
SO ₄ content	ppm	≤ 0.5	Chromatography ionic - LABO/3/153
Inorganic Residue	ppm	≤ 20	Calcination - LABO/3/05
Na	ppm	≤ 0.5	Spectrometry - LABO/3/03
Fe	ppm	≤ 0.5	Spectrometry - LABO/3/03

(*) Analysis methods available on request

II – INFORMATION ABOUT GENERAL PROPERTIES

Typical analysis	Units	Values
NH ₃	%	< 0.1
Ca	ppm	< 1
Fluoride	ppm	< 1
Nickel, Cr	ppm	≤ 0.3
Cu, Co, Zn, As, Mo, Pb, Mn, Hg	ppm	Not detected (≤ 0.05)
Total Carbon	ppm	≤ 500
Physical Properties	Units	Values
Boiling point (1 ATM)	°C	120
Freezing point	°C	- 51
Vapor pressure (20° C)	mmHg	14
Flash point (V.O.)	°C	73
Specific gravity at 25° C		1.032
Viscosity (25° C)	cP	1.50
Refractive index (25° C)		1.430
pH-1% solution		10.6
Appearance		Colorless to slightly colored liquid
Solubility		Totally miscible with water

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