

Honeywell Specialty Chemicals Seelze GmbH

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Brand: Honeywell Fluka™
Product: 30501
Lot No: H2480
Production date: 05.Sep.2017
Best before: 16.Feb.2021

Ammonium hydroxide solution approx. 25 % NH₃, puriss. p.a., Reag. ISO, Reag. Ph. Eur.

Parameter	Specification	Units	Result	Units
assay	min. 25.0	%	26.4	%
density (D 20/20)	0.892-0.910		0.9070	
non-volatile matter	max. 0.0018	%	<0.0018	%
silver (Ag)	max. 0.02	ppm	<0.02	ppm
aluminium (Al)	max. 0.5	ppm	<0.5	ppm
gold (Au)	max. 0.1	ppm	<0.1	ppm
barium (Ba)	max. 0.05	ppm	<0.05	ppm
bismuth (Bi)	max. 0.1	ppm	<0.1	ppm
calcium (Ca)	max. 1	ppm	<1	ppm
cadmium (Cd)	max. 0.05	ppm	<0.05	ppm
cobalt (Co)	max. 0.05	ppm	<0.05	ppm
chromium (Cr)	max. 0.05	ppm	<0.05	ppm
copper (Cu)	max. 0.1	ppm	<0.1	ppm
iron (Fe)	max. 0.1	ppm	<0.1	ppm
gallium (Ga)	max. 0.02	ppm	<0.02	ppm
indium (In)	max. 0.02	ppm	<0.02	ppm
potassium (K)	max. 0.5	ppm	<0.5	ppm
lithium (Li)	max. 0.02	ppm	<0.02	ppm
magnesium (Mg)	max. 0.1	ppm	<0.1	ppm
manganese (Mn)	max. 0.05	ppm	<0.05	ppm
molybdenum (Mo)	max. 0.05	ppm	<0.05	ppm
sodium (Na)	max. 1	ppm	<1	ppm
nickel (Ni)	max. 0.05	ppm	<0.05	ppm
lead (Pb)	max. 0.05	ppm	<0.05	ppm
platinum (Pt)	max. 0.1	ppm	<0.1	ppm
tin (Sn)	max. 0.1	ppm	<0.1	ppm

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Parameter	Specification	Units	Result	Units
strontium (Sr)	max. 0.2	ppm	<0.2	ppm
titanium (Ti)	max. 0.1	ppm	<0.1	ppm
thallium (Tl)	max. 0.05	ppm	<0.05	ppm
zinc (Zn)	max. 0.1	ppm	<0.1	ppm
heavy metals (as Pb)	max. 1	ppm	<1	ppm
carbonate (CO ₃)	max. 60	ppm	<60	ppm
carbonate (as CO ₂)	max. 10	ppm	<10	ppm
chloride (Cl)	max. 0.5	ppm	<0.5	ppm
phosphate (PO ₄)	max. 0.5	ppm	<0.5	ppm
silicate (as SiO ₂)	max. 10	ppm	<10	ppm
sulfate (SO ₄)	max. 2	ppm	<2	ppm
sulfide (S)	max. 0.2	ppm	<0.2	ppm
KMnO ₄ red. matter (as O)	max. 0.0005	%	<0.0005	%
readily oxidizable substances	complying		complying	
pyridine, related subst. (as pyridine)	max. 2	ppm	<2	ppm
pyridine	max. 0.00005	%	<0.00005	%
appearance of the solution	complying		complying	



QC Release Date: 13.Sep.2017

The minimum shelf life is based on the current knowledge and holds only for proper storage conditions in the originally closed flasks/ packages.

We herewith confirm that the delivery is effected according to the technical delivery conditions agreed.

Particular properties of the products or the suitability for a particular area of application are not assured.

We guarantee a proper quality within our General Conditions of Sales.

Honeywell
Quality Management

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