

Honeywell Specialty Chemicals Seelze GmbH

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Brand: Honeywell Riedel-de Haën™
Product: 41640
Lot No: G3430
Production date: 08.Dec.2016
Best before: 23.Nov.2019

Dimethyl sulfoxide puriss. p.a., ACS reagent, 99.9% (GC)

Parameter	Specification	Units	Result	Units
appearance	complying		complying	
identity (NMR)	complying		complying	
assay (GC)	min. 99.9	%	99.94	%
refractive index (n 20/D)	1.478-1.480		1.48	
congealing - freezing point	17.5-20.4	°C	19.0	°C
non-volatile matter	max. 0.005	%	<0.005	%
water (Karl Fischer)	max. 0.1	%	<0.1	%
acid (by titration)	max. 0.001	meq/g	<0.001	meq/g
free acid (as CH ₃ COOH)	max. 0.001	%	<0.001	%
aluminium (Al)	max. 0.5	ppm	<0.5	ppm
barium (Ba)	max. 0.1	ppm	<0.1	ppm
bismuth (Bi)	max. 0.1	ppm	<0.1	ppm
calcium (Ca)	max. 0.5	ppm	<0.5	ppm
cadmium (Cd)	max. 0.05	ppm	<0.05	ppm
cobalt (Co)	max. 0.02	ppm	<0.02	ppm
chromium (Cr)	max. 0.02	ppm	<0.02	ppm
copper (Cu)	max. 0.02	ppm	<0.02	ppm
iron (Fe)	max. 0.5	ppm	<0.5	ppm
potassium (K)	max. 0.5	ppm	<0.5	ppm
lithium (Li)	max. 0.1	ppm	<0.1	ppm
magnesium (Mg)	max. 0.1	ppm	<0.1	ppm
manganese (Mn)	max. 0.02	ppm	<0.02	ppm
molybdenum (Mo)	max. 0.1	ppm	<0.1	ppm
sodium (Na)	max. 1	ppm	<1	ppm
nickel (Ni)	max. 0.5	ppm	<0.5	ppm
lead (Pb)	max. 0.1	ppm	<0.1	ppm



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strontium (Sr)	max. 0.1	ppm	<0.1	ppm
zinc (Zn)	max. 0.1	ppm	<0.1	ppm

QC Release Date: 03.Feb.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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