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Brand: Honeywell Riedel-de Haën
 Product: 33120
 Lot No: N2710
 Production date: 28.Sep.2023
 Rec. Retest Date: 04.Apr.2028

N,N-Dimethylformamide puriss. p.a., Reag. ACS, Reag. Ph. Eur.

Parameter	Specification	Units	Result	Units
assay (GC)	min. 99.8	%	99.99	%
density (D 20/4)	0.948-0.950		0.948 - 0.950	
refractive index (n 20/D)	1.4290-1.4310		1.4290 - 1.4310	
non-volatile matter	max. 0.001	%	<0.001	%
water (Karl Fischer)	max. 0.1	%	0.01	%
titrable base	max. 0.003	meq/g	<0.003	meq/g
titrable acid	max. 0.0005	meq/g	<0.0005	meq/g
aluminium (Al)	max. 0.00005	%	<0.00005	%
boron (B)	max. 0.000002	%	<0.000002	%
barium (Ba)	max. 0.00001	%	<0.00001	%
bismuth (Bi)	max. 0.00001	%	<0.00001	%
calcium (Ca)	max. 0.00005	%	<0.00005	%
cadmium (Cd)	max. 0.000005	%	<0.000005	%
cobalt (Co)	max. 0.000002	%	<0.000002	%
chromium (Cr)	max. 0.000002	%	<0.000002	%
copper (Cu)	max. 0.000002	%	<0.000002	%
iron (Fe)	max. 0.00001	%	<0.00001	%
potassium (K)	max. 0.00005	%	<0.00005	%
lithium (Li)	max. 0.00001	%	<0.00001	%
magnesium (Mg)	max. 0.00001	%	<0.00001	%
manganese (Mn)	max. 0.000002	%	<0.000002	%
molybdenum (Mo)	max. 0.00001	%	<0.00001	%
sodium (Na)	max. 0.0001	%	<0.0001	%
nickel (Ni)	max. 0.000002	%	<0.000002	%
lead (Pb)	max. 0.00001	%	<0.00001	%

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Parameter	Specification	Units	Result	Units
tin (Sn)	max. 0.00001	%	<0.00001	%
strontium (Sr)	max. 0.00001	%	<0.00001	%
zinc (Zn)	max. 0.00001	%	<0.00001	%
APHA	max. 15		<15	

QC Release Date: 18.Oct.2023

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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