



CERTIFICATE OF ANALYSIS

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Brand: Honeywell Riedel-de Haën
 Product: 33539
 Lot No: K1850
 Production date: 03.Jul.2020
 Rec. Retest Date: 08.Jan.2025

2-Propanol puriss. p.a., ACS reagent, reag. ISO, reag. Ph. Eur., 99.8% (GC)

Parameter	Specification	Units	Result	Units
assay (GC)	min. 99.8	%	99.99	%
boiling range	81 - 83	°C	82.1 - 82.6	°C
density (D 20/4)	0.784-0.786		0.7852	
refractive index (n 20/D)	1.3770-1.3780		1.37707	
non-volatile matter	max. 0.001	%	<0.001	%
water (Karl Fischer)	max. 0.1	%	0.01	%
free acid (as C ₂ H ₅ COOH)	max. 0.00074	%	<0.00074	%
free alkali (as NH ₃)	max. 0.00017	%	<0.00017	%
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. 10		<10	
carbonyl compounds (as CO)	max. 0.005	%	<0.005	%
carbonyl compounds (ACS)	complying		complying	
ethanol (GC)	max. 0.01	%	<0.01	%
methanol (GC)	max. 0.1	%	<0.1	%
KMnO ₄ red. matter (as O)	max. 0.0005	%	<0.0005	%
solubility in water	complying		complying	
peroxides (as H ₂ O ₂)	max. 0.00034	%	<0.00034	%
reaction against H ₂ SO ₄	complying		complying	



QC Release Date: 14.Jul.2020

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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