

Honeywell Specialty Chemicals Seelze GmbH
 Wunstorferstrasse 40
 Seelze, 30926
 Telefon: +49 5137 999-0
www.lab-honeywell.com

Brand: Honeywell Riedel-de Haën
 Product: 32211
 Lot No: I310ES
 Production date: 06.Nov.2018
 Rec. Retest Date: 26.Oct.2020

Chloroform puriss. p.a., reag. ISO, reag. Ph. Eur., 99.0-99.4% (GC)

Parameter	Specification	Units	Result	Units
assay (GC)	99.0-99.4	%	99.37	%
boiling range	60 - 62	°C	60 - 62	°C
density (D 20/20)	1.476-1.483		1.476 - 1.483	
non-volatile matter	max. 0.0005	%	<0.0005	%
water (Karl Fischer)	max. 0.01	%	0.002	%
free acid (as HCl)	max. 0.00005	%	<0.00005	%
aluminium (Al)	max. 0.00005	%	<0.00005	%
boron (B)	max. 0.000002	%	<0.000002	%
barium (Ba)	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	%
magnesium (Mg)	max. 0.00001	%	<0.00001	%
manganese (Mn)	max. 0.000002	%	<0.000002	%
nickel (Ni)	max. 0.000002	%	<0.000002	%
lead (Pb)	max. 0.000005	%	<0.000005	%
tin (Sn)	max. 0.00001	%	<0.00001	%
zinc (Zn)	max. 0.00001	%	<0.00001	%
chloride (Cl)	max. 0.0001	%	<0.0001	%
free chlorine (Cl)	max. 0.00001	%	<0.00001	%
aldehy.,ketones(as CH ₃ COCH ₃)	max. 0.005	%	<0.005	%
carbonyl compounds (as CO)	max. 0.005	%	<0.005	%
dichloromethane (GC)	max. 0.03	%	<0.03	%

Chloroform puriss. p.a., reag. ISO, reag. Ph. Eur., 99.0-99.4% (GC)

Parameter	Specification	Units	Result	Units
ethanol (GC)	0.6-1.0	Gew.%	0.6 - 1.0	Gew.%
tetrachloroethene (GC)	max. 0.01	%	<0.01	%
tetrachloromethane (GC)	max. 0.01	%	<0.01	%
trichloroethene (GC)	max. 0.01	%	<0.01	%
reaction against H ₂ SO ₄	complying		complying	
appearance of the substance	complying		complying	
suitability f.det.w. dithizone ISO	complying		complying	

QC Release Date: 12.Dec.2018

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

This document was produced electronically and is valid without a signature