



Specification

Concerning Product:	
Article number	4468024MPUL
Trade name / designation / denomination	Zinkgluconat, EP, USP, FCC
CAS number	4468-02-4
Other names / synonyms	•(2R,3S,4R,5R)-2,3,4,5,6-pentahydroxyhexanoic acid; zinc; •Zinc gluconate; •bis(D-gluconato-O1,O2)zinc;
EC number	224-736-9
Customs tariff number / CN code / TARIC	29181600
Molecular weight [g / mol]	455,67
Formula	$C_{12}H_{22}O_{14}Zn$

Parameter	Specification	Unit
Organoleptic test		
Appearance of solution	complies	
Appearance	white or nearly white, granular or crystalline powder	
Physical parameter		
Loss on drying	≤ 11,6	%
pH value	5,5 – 7,5	
Reducing substances	≤ 1,0	%
Solubility	freely soluble in water and very slightly soluble in alcohol	
Identity		
Assay	(on anhydrous basis) 98,0 – 102,0	%
Identification	complies	
Impurities		
Heavy Metals (as Pb)	≤ 10	ppm
Sulphates (SO ₄)	≤ 0,05	%
Elemental Impurities		
Arsenic (As)	≤ 2	ppm
Cadmium (Cd)	≤ 1	ppm
Chlorides (Cl)	≤ 0,05	%
Mercury (Hg)	≤ 0,1	ppm
Lead (Pb)	≤ 2	ppm
Thallium (Tl)	≤ 2	ppm

Microbiological data		
Coliform bacteria	≤ 10	cfu/g
Salmonella	Negativ	
Shigella	Negative	
Staphylococcus Aureus	Negative	
Total Plate Count	≤ 1000	cfu/g
Yeast and Mould	≤ 25	cfu/g

Chemische Werke Hommel GmbH & Co.KG

This document was generated electronically and is valid without signature.

Waltrop, 06. Dec. 2022

We only confirm that we took over the data from our supplier accordingly. Despite careful working, errors in the takeover are not totally excluded. Some or all parts off the document may be translated due to our best knowledge from the original to give a better understanding. If you have any questions about specific details, please call us directly. Unless otherwise marked, these data do not originate from us and have not been tested by us on the correctness. The above information corresponds to the present state of our knowledge and is intended as a general description of our products and their possible applications. We make no warranties, expressed or implied, as to the information's accuracy, adequacy, sufficiency or freedom from defect and assumes no liability in connection with any use of this information. Any user of this product is responsible for determining the suitability of our products for its particular application. The foregoing information does not absolve the buyer of its own tests. Observing existing laws and regulations, is the responsibility of the buyer of our product. Nothing included in this information waives any of our General Terms and Conditions of Sale, which control unless it agrees other in writing. Any existing intellectual/industrial property rights must be observed. Due to possible changes in our products and applicable national and international regulations and laws, the status of our products could change. Material Safety Data Sheets providing safety precautions, that should be observed when handling or storing our products, are available upon request and are provided in compliance with applicable law. The user should obtain and review the applicable Material Safety Data Sheet information before handling any of these products. For additional information, please contact us.

Layout-Version: V2018.11a