



Specification

Concerning Product:	
Article number	61198WI
Trade name / designation / denomination	Adenosine-5'-Monophosphoric Acid
CAS number	61-19-8
Other names / synonyms	•adenosine phosphate; •[(2R,3S,4R,5R)-5-(6-aminopurin-9-yl)-3,4-dihydroxy-2-oxolanyl]methyl dihydrogen phosphate;
EC number	200-500-0
Customs tariff number / CN code / TARIC	29349990
Molecular weight [g / mol]	347.221221
Formula	C ₁₀ H ₁₄ N ₅ O ₇ P

Parameter	Specification	Unit
Organoleptic test		
Appearance	white crystalline powder	
Physical parameter		
Loss on drying	(105° C/5h): ≤ 6,0	%
Transmittance	(430 nm, c = 1, in 0,2N NaOH): ≥ 95,0	%
UV spectroscopy	conforms with standard	
Identity		
Assay	(from HPLC): ≥ 98,0	%
Assay	(spectrophotom.): ≥ 98,0	%
Identification	(ε = 15.400 2 %, pH 7): ≤ 259	nm
Identification	A ₂₅₀ / A ₂₆₀ : 0,76 – 0,80	
Identification	A ₂₈₀ / A ₂₆₀ : 0,14 – 0,16	
Infrared absorption spectrometry	conforms with standard	
Impurities		
Heavy Metals (as Pb)	≤ 10	ppm
Elemental Impurities		
Iridium (Ir)	conforms with standard	

Supplemental information:

Released by manufacturer: 2012-06-12

Storage conditions: in an odor-free, cool, dry ambient environment; avoid heat and humidity

Regional origin: D

Version of manufacturer: 12

Chemische Werke Hommel GmbH & Co.KG

This document was generated electronically and is valid without signature.

Waltrop, 13. Feb. 2019

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 of 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.