



## Specification

Concerning Product:	
Article number	4578318WI
Trade name / designation / denomination	Adenosine-5'-Monophosphoric Acid, Disod.
CAS number	4578-31-8
Other names / synonyms	•disodium adenosine 5'-phosphate hydrate; •Adenosine-5-monophosphate disodium salt; •Adenosine disodium 5'-phosphate hydrate; •disodium [(2R,3S,4R,5R)-5-(6-aminopurin-9-yl)-3,4-dihydroxy-2-oxolanyl]methyl phosphate;
EC number	224-961-2
Customs tariff number / CN code / TARIC	29349990
Molecular weight [g / mol]	391.184881
Formula	C <sub>10</sub> H <sub>12</sub> N <sub>5</sub> Na <sub>2</sub> O <sub>7</sub> P

Parameter	Specification	Unit
<b>Organoleptic test</b>		
Appearance	white crystalline powder	
<b>Physical parameter</b>		
Loss on drying	(K.F.): ≤ 26,0	%
<b>Identity</b>		
Assay	(from HPLC): ≥ 98,0	%
Assay	(spectrophotom.): ≥ 98,0	%
Identification	(ε = 15.400 ± 2 %, pH 7): ≤ 259	nm
Infrared absorption spectrometry	conform to the reference	
<b>Impurities</b>		
Heavy Metals (as Pb)	≤ 10	ppm
<b>Elemental Impurities</b>		
Iridium (Ir)	conform to the reference	

### **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:** 8

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 13. Feb. 2019

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