



Spezifikation

Produktbezug:	
Produktnummer	58617SPG
Handelsname / Bezeichnung	Adenosin, CN GMP
CAS Nummer	58-61-7
Andere Bezeichnungen / Synonyme	•2-(6-aminopurin-9-yl)-5-(hydroxymethyl)oxolane-3,4-diol; •9-beta-D-Ribofuranosyladenin; •9-beta-D-ribofuranosyladenine; •Adenosin; •adenosine;
EG Nummer	200-389-9
Zolltarifnummer / CN- Code	29349990
Molekulargewicht [g/mol]	267.24132
Formel	C ₁₀ H ₁₃ N ₅ O ₄

Parameter	Methode	Spezifikation	Einheit
Physikalische Parameter			
Säuregehalt		Entspricht den Anforderungen	
Form (Aggregatzustand)		Weisses kristallines Pulver	
Trocknungsverlust	(w/w)	≤ 0,5	%
Spezifische optische Drehung	(w/w)	68 – 72	°
Löslichkeit		In Wasser schwer löslich, in heißem Wasser löslich	
Identifikation			
Gehalt	(enthält C ₁₀ H ₁₃ N ₅ O ₄)	99,0 – 101,0	%
Gehalt	Adenine	(Flächennormalisierung) ≤ 0,2	%
Gehalt	Uridin	(Flächennormalisierung) ≤ 0,1	%
Gehalt	Inosin	(Flächennormalisierung) ≤ 0,1	%
Gehalt	Guanosine	(Flächennormalisierung) ≤ 0,1	%
Identifizierung		Das IR-Absorptionsspektrum stimmt mit der Referenz überein	
Schmelzpunkt (Identität)		233 – 238	°C
Verunreinigungen			
Ammonium	(w/w)	≤ 0.0004	%
Glührückstand	(w/w)	≤ 0,1	%
Schwermetalle (als Pb)	(w/w)	≤ 10	ppm
Sulphat (SO ₄)	(w/w)	≤ 0,02	%
Verunreinigung		(Flächennormalisierung) ≤ 0,5	%
Elementare Verunreinigungen			
Chloride (Cl)	(w/w)	≤ 0.007	%

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Waltrip, 18. Aug. 2020

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