

Produktion Synthese Entwicklung

Certificate of Analysis

Product number

504.01

Amifampridin 3,4-Diaminopyridine Batch

33-16-I-52P2966

Formula

C₅H₇N₃

(GMP conform)

Molecular Mass

109.13

CAS-Nr.

[54-96-6]

Type of manufacturing: **Synthetic**

Date of manufacturing:

July 29th 2016

Expiry date:

July 28th 2019

Storage conditions:

protected from light

NH₂

Test	Specification	Result
Appearance (Visual)	white to off-white crystalline powder	white crystalline powder
Appearance of solution (DAC 2013)	clear solution and colour intensity is less than reference B₅	complies
Melting point (DAC 2013)	217 – 221 °C	219.8 °C
Identity by ¹ H NMR (in-house)	complies with suggested structure	complies
Purity by HPLC (DAC 2013)	impurity A ≤ 0.1% each further impurity ≤ 0.10% total impurities ≤ 0.5%	< 0.05% < 0.05% < 0.05%
Assay by Titration (DAC 2013)	99.0 - 101.0%	100.2%
Water content (KF) (DAC 2013)	≤ 1.0 %	0.04%
Residual solvents (ICH guidelines)	Methanol ≤ 3000 ppm	≤ 3000 ppm

Luckerwalde, August 12th 2016

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