

QUALITY CERTIFICATE

Product name: CAFFEINE
Quality: Ph.Eur.10.0.
Package: 1000 g
Formula: $C_8H_{10}N_4O_2$
Rel. mol. weight: 194,19
Lot No.: FY8456909
Manufacturing date: 11.2022.
Expiry date: 28.02.2028. (DMY)
Anal. No.: 13965H56909

	REQUIRED	MEASURED
Appearance:	white or almost white crystalline powder or silky crystals	white crystalline powder
Identity (FT-IR)	identical	identical
Melting point [°C]:	234-239	237,5
Assay	98,5-101,5 %	100,1 %
Solubility	very slightly soluble in water and in alcohol	very slightly soluble in water and in alcohol
Appearance of solution	passes test	passes test
Acidity	passes test	passes test
Unspecified impurities	max.0,1 %	<0,05 %
Related substances (total impurities)	max.0,10 %	<0,05 %
Sulfate	max.500 ppm	<500 ppm
Heavy metals (Pb)	max.20 ppm	<20 ppm
Loss on drying (105 □C)	max.0,5 %	0,05 %
Sulphated ash	max.0,1 %	0,05 %

The Product complies with the requirements of Ph.Eur.10.0.

Kiállítva: Halásztelek, 2023.03.14.


Nagy Balázs

minőségbiztosítási vezető

Molar Chemicals Kft.
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