

Chem-Impex International, Inc.

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Certificate of Analysis

Catalogue Number	41599
Product	(+)-6-Aminopenicillanic acid
Lot Number	002197-220503
	(2S,5R,6R)-6-Amino-3,3-dimethyl-7-oxo-4-thia-1-azabicyclo[3.2.0]
CAS Number	551-16-6
Molecular Formula	C ₈ H ₁₂ N ₂ O ₃ S
Molecular Weight	216.26

Appearance	White or yellowish crystalline powder
Solubility	Passes test
Odor	Odorless or slightly specific odor
Water Content (Karl Fisher)	0.03%
pH	3.7
Optical Rotation	[α] ²⁰ _D = 281 °
Transmission	99.5%
Loss on Drying	0.05%
Residual Solvents	Ethanol : 0.0006% N-Butanol : 0.0726% Butyl acetate : 0.0033%
Related Substances	Phenylacetic acid : 0.0031% Penicillin content : 0.0008%
Assay (anhydrous basis)	99%
Purity	99.7%
Storage	Store at 2 - 8 °C
Additional Information	Absorbance : 0.002

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Remarks

See material safety data sheet for additional information

For laboratory use only

The foregoing is a copy of the Certificate of Analysis as provided by our supplier

A handwritten signature in black ink, appearing to read 'Bala Kumar', with a stylized flourish at the end.

Bala Kumar
Quality Control Manager