

Certificate of Analysis

Product Name:

Arsenazo III, PurReagent, For spectrophotometric detection for U, Th, Zr and other metals, Indicator for the precipitation titration of SO₄ with Ba, >90.0%

Product No.: PSR50300
Lot No.: Sample COA
Brand: PureSynth
CAS No.: 1668-00-4
Molecular Formula: C₂₂H₁₈As₂N₄O₁₄S₂
Molecular Weight: 776.36 g/mol
Date of Mfg.: NA
Date of Exp.: NA

Test	Specification	Result
Appearance	Dark green to Dark red to Black powder to crystalline	Black powder
Assay (by Titration) (on dried basis)	≥ 90.0 %	93.75 %
Absorbance (16mg/L)	NLT 0.600 (535.0 - 545.0 nm)	536.9 nm
Loss on Drying at 110 °C	NMT 10.0 %	4.15 %
Calcium	NMT 0.1 %	< 0.1 %
Identification (by UV)	Conforms	Conforms
Suitability as indicator	Passes test	Passes test

Remarks:

This is to certify that the mentioned batch has been analysed at the time of quality release and has been found to be in compliance with prescribed specifications

The current Specification sheet may be available at www.pure-synth.com

Inspect on receipt

Storage Condition:

Store at a room temperature and keep the container tightly closed.

PureSynth Research Chemicals GmbH

This is electronically-generated copy & is valid without a signature

The Certificate of Analysis (COA) is valid only for the lot specified and within the product's shelf life. Retesting is recommended after the expiry date or if storage conditions are compromised. We guarantee a proper quality within our General Conditions of Sales. The conditions are subject to change without prior notice.

For queries on this COA, please contact our technical team at technical@pure-synth.com