

Certificate of Analysis

Product Name: Aluminum potassium sulfate dodecahydrate
puriss. p.a., ACS reagent, reag. Ph. Eur., >= 99.5 %
Product Number: 31242
Batch Number: SZBC3050V
Brand: Sigma-Aldrich
CAS Number: 7784-24-9
Formula: $\text{AlK}_2\text{O}_8\text{S}_2 \cdot 12\text{H}_2\text{O}$
Formula Weight: 474.39

TEST	SPECIFICATION	RESULT
Reag. ACS, Reag. Ph. Eur.		
assay	≥ 99.5	99.7 %
water insoluble matter	≤ 0.005	< 0.005 %
pH (10 %, 20°C)	3.0-3.5	3.2
ammonium (NH ₄)	≤ 0.005	< 0.005 %
arsenic (As)	≤ 0.0002	< 0.0002 %
cadmium (Cd)	≤ 0.0005	< 0.0005 %
copper (Cu)	≤ 0.0005	< 0.0005 %
iron (Fe)	≤ 5	< 5 ppm
sodium (Na)	≤ 0.01	< 0.01 %
lead (Pb)	≤ 0.001	< 0.001 %
heavy metals (as Pb)	≤ 0.001	< 0.001 %
chloride (Cl)	≤ 0.0005	< 0.0005 %
appearance of the solution	complying	complying
Identity, assay and impurities are complying to the monographs of the above mentioned pharmacopeias/codices.		
Production Date	31.Oct.12	
Rec. Retest Date	03.Apr.18	
QC Release Date	09.Nov.12	


Katja Boerner
Quality Management
Seelze, Germany

Sigma-Aldrich warrants that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.