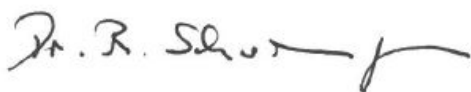


Certificate of Analysis

Product Name: POTASSIUM CHLORATE
ACS reagent, $\geq 99.0\%$
Product Number: 255572
Batch Number: BCBZ4276
Brand: Sigma-Aldrich
CAS Number: 3811-04-9
Formula: KClO_3
Formula Weight: 122.55
Quality Release Date: 05 OCT 2018
Recommended Retest Date: MAR 2022

TEST	SPECIFICATION	RESULT
APPEARANCE (COLOR)	WHITE	WHITE
APPEARANCE (FORM)	CRYSTALS OR CRYSTALLINE POWDER	CRYSTALS
TITRATION (ION EXCHANGE)	$\geq 99.0\%$ (TITRATION BY $\text{Na}_2\text{S}_2\text{O}_3$)	100 %
ICP ANALYSIS	CONFIRMS POTASSIUM COMPONENT	CORRESPONDS
ACS SPECIFICATIONS	CORRESPONDS TO REQUIREMENTS	CORRESPONDS TO ACS (11TH ED.)
REMARKS ON ACS	INSOLUBLE MATTER (8%, H_2O) $\leq 0.005\%$ HEAVY METAL (AS LEAD) ≤ 5 PPM SULFATE PASSES TEST	INSOLUBLE MATTER (8%, H_2O) $< 0.005\%$ HEAVY METAL (AS LEAD) < 5 PPM SULFATE PASSES TEST
CALCIUM (ICP)	≤ 20 MG/KG	< 50 MG/KG
IRON (ICP)	≤ 3 MG/KG	< 30 MG/KG
MAGNESIUM (ICP)	≤ 20 MG/KG	< 20 MG/KG
SODIUM (ICP)	≤ 100 MG/KG	< 100 MG/KG
CHLORIDE (CL)	$\leq 0.001\%$	0.001 %
VARIOUS GUARANTEE LABEL TEST	BROMATE $\leq 0.015\%$	$< 0.015\%$



Dr. Reinhold Schwenninger
Quality Assurance
Buchs, Switzerland

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.