



CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-215742
Lot Number: SAMPLE
Product Name: Potassium sodium tartrate solution
CAS Number: 304-59-6
Molecular Formula: $C_4H_4KNaO_6$
Molecular Weight: 210.16

Test	Specification	Result
Appearance	Colorless liquid	Complies
Appearance	Clear colorless	Complies
Purity (Titration)	1.5 - 1.6 mol/l	1.47 mol/l
pH	7.0 - 8.5	7.9
Residue	No residue (Filter test)	Complies
specific Gravity	1.185 - 1.205	1.193
trace metal analysis	Consistent with requirements	Complies
A260	0.03	0.012
A280	0.025	0.009
Specific Rotation ($\alpha_{20/D}$)	$22.0 \pm 1.0^\circ$ (c = 1% in water)	22.0°
Arsenic	≤ 0.10 mg/kg(MHS-AAS)	< 0.1 mg/kg
Cadmium	≤ 1 mg/kg(IPC)	< 1 mg/kg
Calcium (ICP)	≤ 5 mg/kg	< 5 mg/kg
Chloride	≤ 5 mg/kg	< 5 mg/kg
Chromium	≤ 1 mg/kg(IPC)	< 1 mg/kg
Cobalt	≤ 1 mg/kg(IPC)	< 1 mg/kg
Copper	≤ 1 mg/kg(IPC)	< 1 mg/kg
Iron (ICP)	≤ 1 mg/kg	< 1 mg/kg
Lead (ICP)	≤ 1 mg/kg	< 1 mg/kg

Satisfaction Guarantee: We appreciate your business and are committed to providing the highest level of quality and service. Any product that does not meet the performance standards indicated in our product literature will be replaced at no charge. Our policy is valid for one year from the date of your purchase.

Santa Cruz Biotechnology, Inc. 800.457.3801 831.457.3800 fax 831.457.3801 Europe +00800 4573 8000 49 62221 4503 0 www.scbt.com

Magnesium	$\leq 1 \text{ mg/kg(IPC)}$	$< 1 \text{ mg/kg}$
Manganese	$\leq 1 \text{ mg/kg(IPC)}$	$< 1 \text{ mg/kg}$
Nickel	$\leq 1 \text{ mg/kg(IPC)}$	$< 1 \text{ mg/kg}$
Nitrogen Content	total nitrogen: $\leq 20 \text{ mg/kg}$	$< 20 \text{ mg/kg}$
Strontium	$\leq 1 \text{ mg/kg(IPC)}$	$< 1 \text{ mg/kg}$
Sulfur	total sulfur as SO_4 : $\leq 50 \text{ mg/kg(IPC)}$	$< 50 \text{ mg/kg}$
Zinc	$\leq 1 \text{ mg/kg(IPC)}$	$< 1 \text{ mg/kg}$

Satisfaction Guarantee: We appreciate your business and are committed to providing the highest level of quality and service. Any product that does not meet the performance standards indicated in our product literature will be replaced at no charge. Our policy is valid for one year from the date of your purchase.

Santa Cruz Biotechnology, Inc. 800.457.3801 831.457.3800 fax 831.457.3801 Europe +00800 4573 8000 49 62221 4503 0 www.scbt.com