

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-11-03 08:57:44

Date of Next Testing: 2027-04-27 08:57:44

Product Name: **Brownish-red Hue standard colorimetric solution**

CAS Number: B407090

Specifications & Purity:

Lot #: J2531734

SKU #: **B407090**

Version: **1**

Analysis #: **594414**

Storage Temperature: Store at 2-8°C, Protected from light

Parameter	Limit Values	Result
Related expanded uncertainty(k=2)	0-4 (%)	3.00000 %
Cobalt chloride hexahydrate(0.5#)	0.3246-0.3447 (mg/ml)	0.33470 mg/ml
Potassium dichromate(0.5#)	0.0024-0.0026 (mg/ml)	0.00250 mg/ml
Copper sulfate pentahydrate(0.5#)	0.3026-0.3213(mg/ml)	0.31200 mg/ml
Cobalt chloride hexahydrate(1#)	0.6493-0.6894 (mg/ml)	0.66940 mg/ml
Potassium dichromate(1#)	0.0048-0.0051 (mg/ml)	0.00500 mg/ml
Copper sulfate pentahydrate(1#)	0.6052-0.6427 (mg/ml)	0.62400 mg/ml
Cobalt chloride hexahydrate(2#)	1.2988-1.3791(mg/ml)	1.33900 mg/ml
Potassium dichromate(2#)	0.0097-0.0103 (mg/ml)	0.01000 mg/ml
Copper sulfate pentahydrate(2#)	1.2105-1.2854(mg/ml)	1.24800 mg/ml
Cobalt chloride hexahydrate(3#)	1.9487-2.0692(mg/ml)	2.00900 mg/ml
Potassium dichromate(3#)	0.0145-0.0154 (mg/ml)	0.01500 mg/ml
Copper sulfate pentahydrate(3#)	1.8158-1.9281(mg/ml)	1.87200 mg/ml
Cobalt chloride hexahydrate(4#)	2.5976-2.7583(mg/ml)	2.67800 mg/ml
Potassium dichromate(4#)	0.0194-0.0206(mg/ml)	0.02000 mg/ml
Copper sulfate pentahydrate(4#)	2.4211-2.5708(mg/ml)	2.49600 mg/ml
Cobalt chloride hexahydrate(5#)	3.2465-3.4474(mg/ml)	3.34700 mg/ml
Potassium dichromate(5#)	0.0242-0.0257(mg/ml)	0.02500 mg/ml
Copper sulfate pentahydrate(5#)	3.0264-3.2136(mg/ml)	3.12000 mg/ml
Cobalt chloride hexahydrate(6#)	3.8955-4.1364(mg/ml)	4.01600 mg/ml
Potassium dichromate(6#)	0.0291-0.0309(mg/ml)	0.03000 mg/ml
Copper sulfate pentahydrate(6#)	3.6316-3.8563(mg/ml)	3.74400 mg/ml
Cobalt chloride hexahydrate(7#)	5.8432-6.2047 (mg/ml)	6.02400 mg/ml
Potassium dichromate(7#)	0.0436-0.0463(mg/ml)	0.04500 mg/ml
Copper sulfate pentahydrate(7#)	5.4475-5.7844(mg/ml)	5.61600 mg/ml

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Parameter	Limit Values	Result
Cobalt chloride hexahydrate(8#)	7.7910-8.2729(mg/ml)	8.03200 mg/ml
Potassium dichromate(8#)	0.0582-0.0618(mg/ml)	0.06000 mg/ml
Copper sulfate pentahydrate(8#)	7.2633-7.7126(mg/ml)	7.48800 mg/ml
Cobalt chloride hexahydrate(9#)	9.7388-10.3412 (mg/ml)	10.04000 mg/ml
Potassium dichromate(9#)	0.0727-0.0772(mg/ml)	0.07500 mg/ml
Copper sulfate pentahydrate(9#)	9.0792-9.6408(mg/ml)	9.36000 mg/ml
Cobalt chloride hexahydrate(10#)	12.9883-13.7917(mg/ml)	13.39000 mg/ml
Potassium dichromate(10#)	0.097-0.103(mg/ml)	0.10000 mg/ml
Copper sulfate pentahydrate(10#)	12.1056-12.8544(mg/ml)	12.48000 mg/ml

A handwritten signature in black ink that reads "John Su".John Su
QA & QC Manager