

Certificate of Analysis

Name: Oxidised Hydrolysate Standard, 2.5 mM
Item: 80-6002-68
Lot: CR-0509

Lot Issue Date: 22-Mar 2017
Expiration Date: 31-Mar 2020

This ISO Guide 34 Reference Material (RM) was manufactured and verified in accordance with an ISO 9001 registered quality system. The analyte concentrations were verified by a quality control laboratory and the true value and uncertainty value at the 95% confidence level for each analyte, calculated from the gravimetric measurements made during the manufacturing process, is listed below.

Analyte	CAS#	True Value	True Value
Taurine	000107-35-7	0.314 ± 0.002 g/L	2.51 mM
L-Aspartic acid	000056-84-8	0.334 ± 0.002 g/L	2.51 mM
L-Threonine	000072-19-5	0.299 ± 0.001 g/L	2.51 mM
L-Serine	000056-45-1	0.263 ± 0.001 g/L	2.50 mM
L-Glutamic acid	000056-86-0	0.368 ± 0.002 g/L	2.50 mM
L-Proline	000147-85-3	0.289 ± 0.001 g/L	2.51 mM
Glycine	000056-40-6	0.188 ± 0.001 g/L	2.50 mM
L-Alanine	000056-41-7	0.224 ± 0.001 g/L	2.51 mM
L-Valine	000072-18-4	0.294 ± 0.001 g/L	2.51 mM
L-Cystine	000056-89-3	0.300 ± 0.002 g/L	1.25 mM
L-Methionine	000063-68-3	0.374 ± 0.002 g/L	2.51 mM
L-Isoleucine	000073-32-5	0.328 ± 0.002 g/L	2.50 mM
L-Leucine	000061-90-5	0.328 ± 0.002 g/L	2.50 mM
L-Tyrosine	000060-18-4	0.453 ± 0.002 g/L	2.50 mM
D,L-Methionine sulfoxide	062697-73-8	0.414 ± 0.002 g/L	2.51 mM
L-Methionine sulfone	007314-32-1	0.453 ± 0.002 g/L	2.50 mM
L-Cysteic acid monohydrate (as L-Cysteic acid)	023537-25-9	0.468 ± 0.002 g/L	2.50 mM
L-Phenylalanine	000063-91-2	0.414 ± 0.002 g/L	2.51 mM
Ammonium chloride	012125-02-9	0.134 ± 0.001 g/L	2.50 mM
L-Ornithine monohydrochloride	003184-13-2	0.423 ± 0.002 g/L	2.51 mM
L-Lysine	000056-87-1	0.365 ± 0.002 g/L	2.50 mM
L-Histidine	000071-00-1	0.388 ± 0.002 g/L	2.50 mM
L-Arginine	000074-79-3	0.437 ± 0.002 g/L	2.51 mM

Matrix: 0.1 N Hydrochloric Acid

(continued)

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Balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware were used in the manufacturing of these standards.


John Russo
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