



Certificate of Analysis

Chlorinated Herbicides Mixture

Product Number: HBM-400-1

Page: 1 of 1

Lot Number: CR-2273

Lot Issue Date: 16-May-2017

Expiration Date: 30-Jun-2018

This ISO Guide 34 Reference Material (RM) was manufactured and verified in accordance with ULTRA's ISO 9001 registered quality system, and the analyte concentrations were verified by our ISO 17025 accredited laboratory. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	True Value
acifluorfen	050594-66-6	RM11176	100.0 ± 0.5 µg/mL
bentazon	025057-89-0	RM10713	99.8 ± 0.5 µg/mL
chloramben	000133-90-4	RM03672	99.6 ± 0.5 µg/mL
2,4-D	000094-75-7	RM02867	100.0 ± 0.5 µg/mL
dalapon	000075-99-0	RM00202	99.8 ± 0.5 µg/mL
2,4-DB	000094-82-6	RM02866	100.0 ± 0.5 µg/mL
DCPA	001861-32-1	RM10778	100.5 ± 0.5 µg/mL
dicamba	001918-00-9	RM10023	100.1 ± 0.5 µg/mL
3,5-dichlorobenzoic acid	000051-36-5	RM02768	100.0 ± 0.5 µg/mL
dichlorprop	000120-36-5	RM09810	100.1 ± 0.5 µg/mL
dinoseb	000088-85-7	RM12162	100.2 ± 0.5 µg/mL
4-nitrophenol	000100-02-7	RM02404	100.0 ± 0.5 µg/mL
pentachlorophenol	000087-86-5	RM11027	99.8 ± 0.5 µg/mL
picloram	001918-02-1	RM10442	100.4 ± 0.5 µg/mL
2,4,5-TP	000093-72-1	RM04637	100.0 ± 0.5 µg/mL
2,4,5-T	000093-76-5	RM00186	100.2 ± 0.5 µg/mL

Matrix: methyl tert-butyl ether (MTBE)

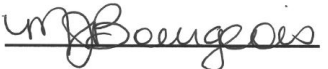
Storage: Store at Room Temperature (15° to 30°C).

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCCL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.



ISO 9001
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