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## CERTIFICATE OF ANALYSIS

### Glyphosate

CATALOG NUMBER N-12133-250MG  
LOT NUMBER 6465500  
DATE CERTIFIED 03/09/17  
EXPIRATION DATE 03/31/22  
CAS NUMBER 1071-83-6  
MOLECULAR FORMULA C<sub>3</sub>H<sub>8</sub>NO<sub>5</sub>P  
MOLECULAR WEIGHT 169.09  
STORAGE Store in a cool dry place.  
HANDLING See Safety Data Sheet  
INTENDED USE For laboratory use only.  
ISO GUIDE 34 CERTIFIED [ ]

Analytical Test	Value
% PURITY (HPLC)	99.5

Chem Service, Inc. guarantees the purity to be +/- 0.5% deviation prior to the expiration date shown on the label and exclusive of any customer contamination.

Certified By:

*Mary Beth O'Donnell*

Mary Beth O'Donnell  
CSM/TC

Chem Service, Inc. is accredited to ISO Guide 34:2009, ISO/IEC 17025:2005 and certified to ISO 9001:2008



ISO/IEC 17025  
Accreditation Number: 63520



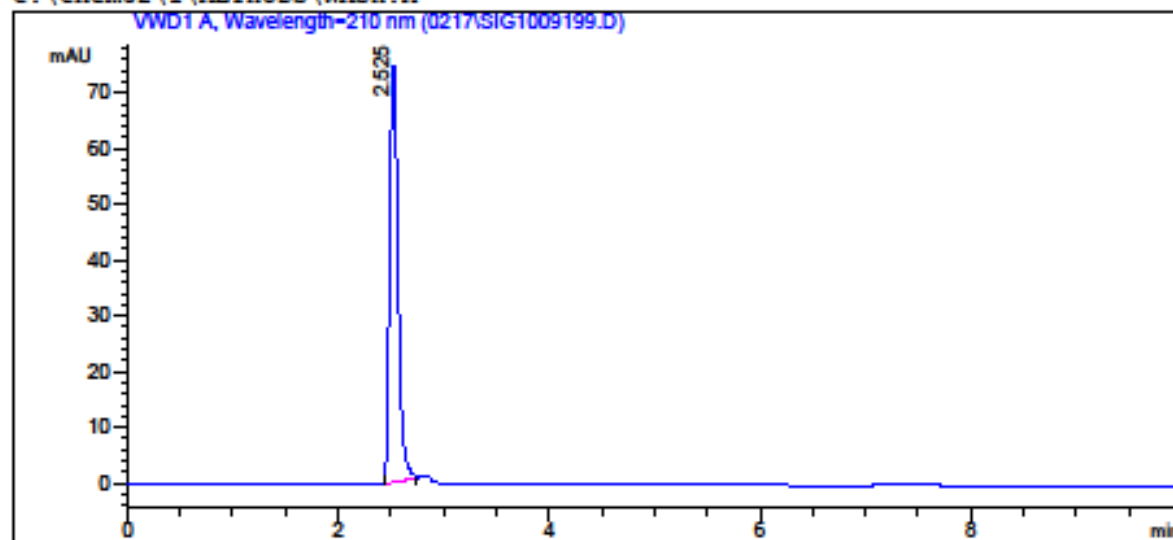
Reference Material Producer  
ISO GUIDE 34  
Accreditation Number: 63520

COA Form  
Revision 3 (3/2015)

## CERTIFICATE OF ANALYSIS

Injection Date : Wed, 8. Mar. 2017      Location : Vial 3  
Sample Name : Glyphosate      Inj. No. : 0  
Acq Operator :      Inj. Vol. : 5 µl  
Column : Kinetex XB-C18      4.6mm X 150mm 5micron

C:\Chem32\1\METHODS\WASH.M



Signal 1: VWD1 A, Wavelength=210 nm

Peak #	RT [min]	Type	Width [min]	Area	Area %
1	2.525	BB	0.088	415.452	100.000