



Quality Standards

ISO Guide 34 · ISO/IEC 17025 · ISO 13485 · cGMP

Product Name: (+/-)-CHLORAMPHENICOL
(Isotopic Label & Enrichment Specification) (RING-D4, BENZYL-D1, 98%) 100 UG/ML IN CH3CN

Lot Number: SDEJ-004

Catalog Number: DLM-119-S

Product Information

Chemical Purity Specification: $\geq 98\%$

MW*: 328.12
* For isotopically labeled compounds, MW listed is for the fully enriched product.

Labeled CAS Number: NA

Unlabeled CAS Number: 56-75-7

Chemical Formula: $\text{NO}_2(\text{C}_6\text{D}_4)\text{CD}(\text{OH})\text{CH}(\text{NHCOCHCl}_2)\text{CH}_2\text{OH}$

Storage: Store at room temperature away from light and moisture.

Stability: See storage and expiration date.

Certification

Cambridge Isotope Laboratories, Inc. guarantees that this material meets or exceeds the specifications stated. Absolute identity as well as chemical and isotopic purities are assured by the use of unambiguous synthetic routes and multiple chemical analyses whenever possible. Results are representative of QC testing at time of release from Quality Control unless otherwise stated.

Volumetric measurements were made with Class A glassware. Gravimetry is traceable to the NIST through calibrated balances and certified, calibrated, standard weights. The calibrations are traceable to the NIST under Test No. 822/270236-04. The calibrations also meet specifications outlined in ISO 9001, ISO/IEC 17025, ANSI/NSCL Z540-1-1994, NCR Document 10CFR50 Appendix B, and applicable subdocuments.

This COA references the bulk catalog number before packaging. The COA also applies to the CIL finished good catalog number. Some possible packaging sizes and their corresponding suffix are -1.2, -1, -0.5, -10, or -0.1.

Approved by: T. J. Eckersley

Timothy J. Eckersley, Ph.D., Quality Review

Quality Control Tests and Results

QC Release Date	11/14/2014
Expiration Date	11/14/2024
Concentration Based on Gravimetry	100.3 $\mu\text{g/mL}$
Chemical Purity of Neat Material	99.7%

(continued on next page)



Cambridge Isotope Laboratories, Inc.

Certificate of Analysis

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Quality Control Tests and Results (continued)

HPLC for Concentration

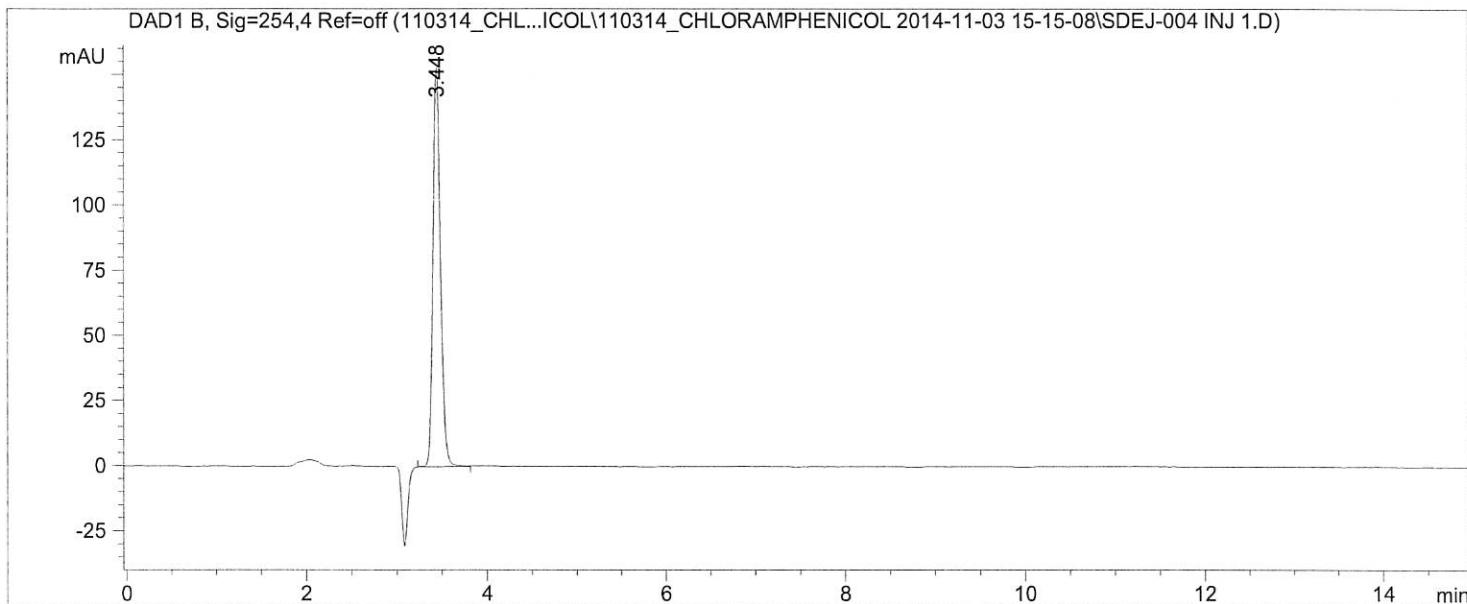
100.4 ± 5.3 µg/mL (k=2)

Sample Name: SDEJ-004

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Acq. Operator   : EUP-092 /JSL                      Seq. Line :    2
Acq. Instrument : Instrument 1                      Location  : Vial 1
Injection Date  : 11/3/2014 3:50:52 PM             Inj       :    1
                                                    Inj Volume: 10.0 µl

Acq. Method     : C:\CHEM32\1\DATA\110314_CHLORAMPHENICOL\110314_CHLORAMPHENICOL 2014-11-
                  03 15-15-08\PUMPC@254.M
Last changed    : 11/3/2014 3:15:06 PM by EUP-092 /JSL
Analysis Method : C:\CHEM32\1\METHODS\PUMPC@254.M
Last changed    : 11/4/2014 8:13:08 AM by EUP-092 /JSL
                  (modified after loading)
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Area Percent Report

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Sorted By      :      Signal
Multiplier:    :      1.0000
Dilution:      :      1.0000
Use Multiplier & Dilution Factor with ISTDs
    
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Signal 1: DAD1 B, Sig=254,4 Ref=off

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	3.448	BB	0.1088	885.67804	150.22005	100.0000

Totals : 885.67804 150.22005

*** End of Report ***