PRODUCT INFORMATION

Residual Solvents Mixture - Minnesota (CRM)

Item No. 46787

Supplied as: A solution in N,N-dimethylacetamide
Fill volume: >1 ml
Storage: -20°C
Stability: *Refer to the Certificate of Analysis*
Special conditions: Vortex or sonicate before use

Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Description and Data

Residual Solvents Mixture - Minnesota (CRM) (Item No. 46787) is a certified reference material mixture containing solvents that have been used in the extraction of cannabinoids from *Cannabis*, identified as residual solvents in *Cannabis* preparations, or included in routine threshold limits testing in the state of Minnesota.[1] The mixture contains ethanol, cyclohexane, ethyl acetate, and xylene, among others. The mixture is supplied in an amber ampule in which the headspace has been purged with argon. It is designed for use in method development and as a reference standard for these substances during routine analytical checks using TLC and HPLC-UV or LC- or GC-MS instrumentation. This product is intended for research and forensic applications.

WARNING
THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA
This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the complete Safety Data Sheet, which has been sent *via* email to your institution.

WARRANTY AND LIMITATION OF REMEDY
Buyer agrees to purchase the material subject to Cayman's Terms and Conditions. Complete Terms and Conditions including Warranty and Limitation of Liability information can be found on our website.

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PRODUCT INFORMATION

This mixture contains 17 solvents used in the extraction of cannabinoids from *Cannabis*. Included are:

Item No. 46787	Residual Solvents Mixture - Minnesota (CRM)	
Item Name	**CAS Number**	**Concentration (mg/ml)**
Acetone	67-64-1	5
Benzene	71-43-2	0.1
Chloroform	67-66-3	0.1
Cyclohexane	110-82-7	5
Dichloromethane	75-09-2	1
Ethanol	64-17-5	5
Ethyl Acetate	141-78-6	5
Heptane	142-82-5	5
n-Hexane	110-54-3	1
Isopropanol	67-63-0	5
Methanol	67-56-1	5
n-Pentane	109-66-0	5
Toluene	108-88-3	1
Trichloroethylene	79-01-6	0.1
o-xylene	95-47-6	3
m-xylene	108-38-3	3
p-xylene	106-42-3	3

Reference

1. Pinto, D.V.R., Li, H., and Sun, M. Cannabis products and contaminant detection: Critical review of regulatory oversight and analytical methodologies. *Cannabis Cannabinoid Res.* (2026).

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