

Certificate of Analysis

Company: Vermont Kind Manufacturing
 2687 Willoughby Lake Road
 Barton, VT 05822

Sample ID: MANU0027-C0045-2
Lot: MANU0027-C0045-2
Matrix: Concentrate

Report Date: 9/1/2023
Date Analyzed: 8/31/2023
Analyst: #N/A
Report ID: C230810AP

Customer ID: 210614-02
Grower License #: MANU0027

Date Sampled: 7/26/2023
Date Received: 8/10/2023

Residual Solvents Summary

Residual Solvent	LOQ (µg/g)	Results (µg/g)
1,2-Dichloroethane	0.002	See Attached
Benzene	0.003	See Attached
Chloroform	0.006	See Attached
Methylene Chloride	0.005	See Attached
Trichloroethylene	0.001	See Attached
Acetone	0.005	See Attached
Acetonitrile	0.002	See Attached
Propane	0.005	See Attached
Butane	24.000	See Attached
Ethanol	0.036	See Attached
Ethyl acetate	0.014	See Attached
Ethyl Ether	0.225	See Attached
Heptane	1.500	See Attached
Hexane	0.023	See Attached
Isopropyl Alcohol	0.018	See Attached
Methanol	0.009	See Attached
Pentane	22.500	See Attached
Toluene	0.005	See Attached
Total Xylenes	0.011	See Attached

LOQ = The lowest quantity that this method can reliably detect. Any residual solvent that was not detected is assumed to be less than the stated LOQ (<LOQ).

Residual Solvent Methodology: Headspace Sampler, Gas Chromatography-Mass Spectrometry (GC-MS), using Perkin Elmer Clarus® SQ8 GC MS

Reagent Blanks: < LOQs for all analytes



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Certified by: *Luke E. M.*
 Luke Emerson Mason (Laboratory Director, Bia Diagnostics)



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Certificate of Analysis

Client Name: Bia Diagnostics
License Number: TLAB0029

Sample ID: VT3255
Sample Name: C230810AP
Sample Lot: MANU0027-C0045-2
Sample Matrix: Solvent Extraction Concentrates
Date Received: 8/29/2023
Date Reported: 8/31/2023
Date Tested: 8/31/2023



Residual Solvents

Pass

Residual solvents and processing chemicals analysis utilizing Headspace Gas Chromatography – Mass Spectrometry (HS-GC-MS; SOP-010-OA) - **Limit units: µg/g** | Test ID: #7196

Analyte	Pass/Fail	Result (ppm)	Limit	LOD (ppm)	LOQ (ppm)
Acetone	Pass	< LOQ	5000.000	17.008	51.538
Acetonitrile	Pass	< LOQ	410.000	4.017	12.172
Benzene	Pass	< LOQ	2.000	0.163	0.495
Chloroform	Pass	< LOQ	60.000	0.489	1.482
Ethanol	Pass	< LOQ	5000.000	44.183	133.887
Heptanes (total)	Pass	< LOQ	5000.000	62.270	188.696
Hexanes (total)	Pass	< LOQ	290.000	1.322	4.005
Isopropyl Alcohol	Pass	< LOQ	5000.000	2.364	7.162
Methanol	Pass	< LOQ	3000.000	27.126	82.201
Methylene Chloride	Pass	< LOQ	600.000	4.046	12.260
Toluene	Pass	< LOQ	890.000	6.317	19.143
Xylenes (total)	Pass	< LOQ	2170.000	19.426 14.858 *	58.868 45.024 *

Additional Solvent Analytes

Propane	Pass	< LOQ	5000.000	110.712	335.490
2-Methylpropane	Pass	< LOQ	5000.000	150.773	456.887
2,2-Dimethylbutane	Pass	< LOQ	5000.000	2.869	8.693
2,3-Dimethylbutane	Pass	< LOQ	5000.000	1.944	5.892
n-Butane	Pass	< LOQ	5000.000	152.350	461.667
2-Methylpentane	Pass	< LOQ	5000.000	1.664	5.042
3-Methylpentane	Pass	< LOQ	5000.000	2.056	6.231
Isopentane	Pass	< LOQ	5000.000	137.828	417.661
n-Pentane	Pass	< LOQ	5000.000	136.677	414.172
Neopentane	Pass	< LOQ	5000.000	28.431	86.154

* Xylenes action limit represents sum of m,p-Xylene and o-Xylene

Callie Chapman
 Lab Director
 8/31/2023

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