

Certificate of Analysis

Client: IV Thought Products and Design Corp
511 Crescent Ave
Buffalo, New York, 14214

Project Number: 22934248875
Revision: 1
CofA Issued Date: 10 JAN 2025
Attachments: Raw Data Package

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Test Method(s): USP–NF 2024, Issue 3, December 1, 2024: <671> Containers - Performance Testing

Comment: CofA was revised to correct the comment in the data table for Sample ID: 22934248875.12; update Acceptance Criteria in all tables and to add raw data package as an attachment.

Sample ID: 22934248875.9: 22934248875.1, Bottle #1: non-CR Miron 5ml's: 25, Miron Cosmetic jar Ceres 5ml, 29 special thread with **22934248875.2** Cap #1: non-CR Miron 5ml's: 25, Lid Modern 29 special, UREA, black, semi-glossy finish, violet Phan inlay (Ceres 5)

Test	Date Started	Result		Acceptance Criteria	Comment
USP <671> MVTR Method 8	04Dec2024	Container #	Percent Per Year	The packaging systems are classified as "tight" if NMT 1 of the 10 test containers exceeds 2.5%/year percentage of water weight loss and does not exceed 5.0%/year in any of them.	Conforms
		1	1.3		
		2	1.8		
		3	1.8		
		4	1.3		
		5	1.1		
		6	1.4		
		7	1.9		
		8	1.3		
		9	1.3		
		10	1.8		

Sample ID: 22934248875.10: 22934248875.3 Bottle #2: CR Miron 5ml's: 25, Miron Cosmetic jar Eris 5ml, 28 special thread with **22934248875.4** Cap #2: CR Miron 5ml's: 25, Lid child-resistant Modern 28 special thread, PP, black, (Eris 5)

Test	Date Started	Result		Acceptance Criteria	Comment
USP <671> MVTR Method 8	04Dec2024	Container #	Percent Per Year	The packaging systems are classified as "tight" if NMT 1 of the 10 test containers exceeds 2.5%/year percentage of water weight loss and does not exceed 5.0%/year in any of them.	Conforms
		1	2.0		
		2	1.3		
		3	1.7		
		4	1.7		
		5	1.9		
		6	1.6		
		7	1.5		
		8	1.9		
		9	1.8		
		10	1.6		

Sample ID: 22934248875.11: 22934248875.5, Bottle #3: 4ml Pop-Vac: 25, 4ml Pop-Vac Concentrate Black Glass Jar with 22934248875.6, Cap #3: 4ml Pop-Vac: 25, 4ml Pop-Vac Concentrate Plastic Lid with SS Disc and proprietary blend gasket					
Test	Date Started	Result		Acceptance Criteria	Comment
USP <671> MVTR Method 8	04Dec2024	Container #	Percent Per Year	The packaging systems are classified as “tight” if NMT 1 of the 10 test containers exceeds 2.5%/year percentage of water weight loss and does not exceed 5.0%/year in any of them.	Conforms
		1	0.5		
		2	0.3		
		3	0.8		
		4	0.4		
		5	0.4		
		6	0.3		
		7	0.1		
		8	0.6		
		9	0.5		
		10	0.6		

Sample ID: 22934248875.12: 22934248875.7, Bottle #4: Calyx 4ml (cap attaches differently): 25, 4ml Cannabis Concentrate Container, base color clear with 22934248875.8, Cap #4: Calyx 4ml (cap attaches differently): 25, 4ml resealable gasket container lid color black					
Test	Date Started	Result		Acceptance Criteria	Comment
USP <671> MVTR Method 8	04Dec2024	Container #	Percent Per Year	The packaging systems are classified as “tight” if NMT 1 of the 10 test containers exceeds 2.5%/year percentage of water weight loss and does not exceed 5.0%/year in any of them.	The packaging systems are not classified as “tight” since all 10 test containers exceeded 2.5%/year percentage of water weight loss and exceeded 5.0%/year in any of them. Results are provided “as found.”
		1	236.1		
		2	337.5		
		3	376.3		
		4	285.2		
		5	402.5		
		6	234.3		
		7	240.9		
		8	167.5		
		9	169.2		
		10	392.1		

Sample ID: 22934248875.15: 22934248875.13 Bottle #5: Chubby Gorilla 3oz (90cc) black, Chubby Gorilla 3oz/90cc PET Blk **with**
22934248875.14 Cap #5: Chubby Gorilla 3oz (90cc) black, Chubby Gorilla 3oz/90cc PET TE Seal Blk cap

Test	Date Started	Result		Acceptance Criteria	Comment
USP <671> MVTR Method 8	05Dec2024	Container #	Percent Per Year	The packaging systems are classified as "tight" if NMT 1 of the 10 test containers exceeds 2.5%/year percentage of water weight loss and does not exceed 5.0%/year in any of them.	Conforms
		1	2.0		
		2	1.9		
		3	1.9		
		4	2.0		
		5	1.9		
		6	2.0		
		7	2.1		
		8	1.9		
		9	1.9		
		10	1.9		

Laboratory Review:	Quality Assurance Approval: