

Rad One LTD

Claudia Armstead
32 Barnmead
Haywards, UNITED KINGDOM RH16 1UZ

ANALYTICAL REPORT

AR-23-JL-059072-01

Client Code: JL0000651
PO#: PO-0255/PO-0260_Glucosamine

Received On: 08Nov2023
Reported On: 21Nov2023

Eurofins Sample Code: 990-2023-11080162		Sample Registration Date: 08Nov2023		
Client Sample Code: EX100328AA		Condition Upon Receipt: acceptable, 21.1°C		
Sample Description: Glucosamine		Sample Reference:		
FS014 - Heavy Metals USP 233		Reference USP 233 Mod.	Accreditation	Completed 17Nov2023
Parameter		Result		Sub 1
Arsenic		<10.0 ppb		
Cadmium		30.6 ppb		
Lead		735 ppb		
Mercury		<5.00 ppb		
FS034 - Methylsulfonylmethane		Reference Current USP pg. 7104 (mod.)	Accreditation	Completed 17Nov2023
Parameter		Result		Sub 1
Methylsulfonylmethane (MSM)		9,710 ppm		
FS05M - Organoleptic Evaluation		Reference Internal Method based on USP 25th ed. pg 2363	Accreditation	Completed 17Nov2023
Parameter		Result		Sub 1
Appearance		Clear capsule with yellow powder inside		
Characteristic Odor		Characteristic of spice		
Package Appearance		Black plastic commercial bottle		
FS09H - Methionine		Reference Agilent Publication, 2000. (Modified)	Accreditation	Completed 17Nov2023
Parameter		Result		Sub 1
Methionine		8.64 mg/g		
FS0CT - Glucosamine Sulfate		Reference AOAC 2005.01 mod.	Accreditation	Completed 17Nov2023
Parameter		Result		Sub 1
Glucosamine Sulfate		585,000 ppm		

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M902A - Content of Chondroitin Sulfate Sodium by CPC Titration	Reference Current USP/NF	Accreditation	Completed 21Nov2023	Sub 2
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Parameter Chondroitin Sulfate Sodium Salt	Result 60.5 mg/g
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M9059 - Quercetin	Reference Internal method	Accreditation	Completed 21Nov2023	Sub 2
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Parameter Quercetin	Result 8,150 µg/g
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ZMCKU - E. coli - USP <2022>	Reference USP <2022>	Accreditation ISO/IEC 17025:2017 A2LA 2918.05	Completed 11Nov2023
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Parameter E. coli	Result Not Detected per 10 g
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ZMDFJ - Total Combined Yeasts/Moulds Count - USP Chapter <2021>	Reference U.S. Pharmacopeia Chapter 2021	Accreditation ISO/IEC 17025:2017 A2LA 2918.05	Completed 14Nov2023
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Parameter Total Combined Yeasts/Moulds Count	Result < 100 cfu/g
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ZMDFK - Total Aerobic Microbial Count - USP Chapter <2021>	Reference U.S. Pharmacopeia Chapter 2021	Accreditation ISO/IEC 17025:2017 A2LA 2918.05	Completed 11Nov2023
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Parameter Total Aerobic Microbial Count	Result 400 (est) cfu/g
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ZMDGE - Staphylococcus aureus - USP Chapter <2022>	Reference U.S. Pharmacopeia Chapter 2022	Accreditation ISO/IEC 17025:2017 A2LA 2918.05	Completed 10Nov2023
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Parameter Staphylococcus aureus	Result Not Detected per g
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ZMDHV - Pseudomonas aeruginosa - USP Chapter <62>	Reference U.S. Pharmacopeia Chapter 62	Accreditation ISO/IEC 17025:2017 A2LA 2918.05	Completed 10Nov2023
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Parameter Pseudomonas aeruginosa	Result Not Detected per g
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ZME88 - Bile-Tolerant Gram Negative Bacteria (Semiquanti) - USP Chapter <2021>	Reference U.S. Pharmacopeia Chapter 2021	Accreditation ISO/IEC 17025:2017 A2LA 2918.05	Completed 11Nov2023
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Parameter	Result
Bile-Tolerant Gram Negative Bacteria (Semiquanti)	<10 MPN per g

ZMEV2 - Salmonella - USP Chapter <2022>	Reference U.S. Pharmacopeia Chapter 2022	Accreditation ISO/IEC 17025:2017 A2LA 2918.05	Completed 11Nov2023
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Parameter	Result
Salmonella spp.	Not Detected per 10 g

Subcontracting partners:

- 1 - Eurofins Food Chemistry Testing US Madison, WI
- 2 - Eurofins Botanical Testing US Brea, California

Respectfully Submitted,





Shannon Kelly
Snr Client Services Associate

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