

Rad One LTD

Claudia Armstead
32 Barnmead
Haywards, UNITED KINGDOM RH16 1UZ

ANALYTICAL REPORT

AR-24-JL-033567-01

Client Code: JL0000651
PO#: PO-0279_Glucosamine

Received On: 30May2024
Reported On: 11Jun2024

Eurofins Sample Code: 990-2024-05300240		Sample Registration Date: 30May2024			
Client Sample Code: Lot# EX020929AA		Condition Upon Receipt: acceptable, 21°C			
Sample Description: Glucosamine		Sample Reference:			
FS014 - Heavy Metals USP 233		Reference USP 233 Mod.	Accreditation	Completed 10Jun2024	Sub 1
Parameter	Result	Result	Theoretical		
Arsenic	<10.0 ppb	<0.031 µg/Serving			
Cadmium	19.1 ppb	0.060 µg/Serving			
Lead	615 ppb	1.942 µg/Serving			
Mercury	<5.00 ppb	<0.015 µg/Serving			
FS034 - Methylsulfonylmethane		Reference Current USP pg. 7104 (mod.)	Accreditation	Completed 10Jun2024	Sub 1
Parameter	Result	Result	Theoretical		
Methylsulfonylmethane (MSM)	8,250 ppm	23.0 mg/Serving			
FS05M - Organoleptic Evaluation		Reference Internal Method based on USP 25th ed. pg 2363	Accreditation	Completed 10Jun2024	Sub 1
Parameter	Result	Result	Theoretical		
Appearance	See below				
Clear capsule with light orange free-flowing granular powder.					
Characteristic Odor	Characteristic of turmeric and boswellia	Characteristic of turmeric and boswellia			
Package Appearance	Commercial bottle with intact adhered seal	Commercial bottle with intact adhered seal			
FS09H - Methionine		Reference Agilent Publication, 2000. (Modified)	Accreditation	Completed 10Jun2024	Sub 1
Parameter	Result	Result	Theoretical		
Methionine	12.2 mg/g	34.0 mg/Serving			
FS0CT - Glucosamine Sulfate		Reference AOAC 2005.01 mod.	Accreditation	Completed 10Jun2024	Sub 1

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Sample Description: Glucosamine		Sample Reference:		
FSOCT - Glucosamine Sulfate		Reference AOAC 2005.01 mod.	Accreditation	Completed 10Jun2024
				Sub 1
Parameter	Result	Result	Theoretical	
Glucosamine Sulfate	577,000 ppm	1,610 mg/Serving		
FSPRP - Serving Size - Content (Fill) Weight		Reference Internal method	Accreditation	Completed 10Jun2024
				Sub 1
Parameter	Result	Result	Theoretical	
Entity Weight	1.0528 g			
Entity Fill Weight	0.9295 g			
Units per serving	3 Capsule		3 Capsule	
M902A - Content of Chondroitin Sulfate Sodium by CPC Titration		Reference Current USP/NF	Accreditation	Completed 11Jun2024
				Sub 2
Parameter	Result	Result	Theoretical	
Chondroitin Sulfate Sodium Salt	56.1 mg/g	156 mg/Serving		
M9059 - Quercetin		Reference Internal method	Accreditation	Completed 11Jun2024
				Sub 2
Parameter	Result	Result	Theoretical	
Quercetin	7.11 mg/g	19.8 mg/Serving		
ZMCKU - E. coli - USP <2022>		Reference USP <2022>	Accreditation ISO/IEC 17025:2017 A2LA 2918.05	Completed 02Jun2024
Parameter	Result	Result	Theoretical	
E. coli	Not Detected per 10 g	Not Detected per 10 g		
ZMDFJ - Total Combined Yeasts/Moulds Count - USP Chapter <2021>		Reference U.S. Pharmacopeia Chapter 2021	Accreditation ISO/IEC 17025:2017 A2LA 2918.05	Completed 04Jun2024
Parameter	Result	Result	Theoretical	
Total Combined Yeasts/Moulds Count	< 100 cfu/g	< 100 cfu/g		
ZMDFK - Total Aerobic Microbial Count - USP Chapter <2021>		Reference U.S. Pharmacopeia Chapter 2021	Accreditation ISO/IEC 17025:2017 A2LA 2918.05	Completed 01Jun2024
Parameter	Result	Result	Theoretical	
Total Aerobic Microbial Count	< 100 cfu/g	< 100 cfu/g		

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Client Sample Code: Lot# EX020929AA		Condition Upon Receipt: acceptable, 21°C	
Sample Description: Glucosamine		Sample Reference:	
ZMDGE - Staphylococcus aureus - USP Chapter <2022>		Reference U.S. Pharmacopeia Chapter 2022	Accreditation ISO/IEC 17025:2017 A2LA 2918.05
Completed 01Jun2024			
Parameter	Result	Result	Theoretical
Staphylococcus aureus	Not Detected per g	Not Detected per g	
ZMDHV - Pseudomonas aeruginosa - USP Chapter <62>		Reference U.S. Pharmacopeia Chapter 62	Accreditation ISO/IEC 17025:2017 A2LA 2918.05
Completed 01Jun2024			
Parameter	Result	Result	Theoretical
Pseudomonas aeruginosa	Not Detected per g	Not Detected per g	
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 02Jun2024			
Parameter	Result	Result	Theoretical
Bile-Tolerant Gram Negative Bacteria (Semiquanti)	<10 MPN per g	<10 MPN per g	
ZMEV2 - Salmonella - USP Chapter <2022>		Reference U.S. Pharmacopeia Chapter 2022	Accreditation ISO/IEC 17025:2017 A2LA 2918.05
Completed 02Jun2024			
Parameter	Result	Result	Theoretical
Salmonella spp.	Not Detected per 10 g	Not Detected per 10 g	

Subcontracting partners:
1 - Eurofins Food Chemistry Testing US Madison, Wisconsin
2 - Eurofins Botanical Testing US Brea, California

Respectfully Submitted,


Shannon Kelly
Snr Client Services Associate



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