

Rad One LTD

Claudia Armstead
32 Barnmead
Haywards, UNITED KINGDOM RH16 1UZ

ANALYTICAL REPORT

AR-23-JL-065769-02
Report Supersedes AR-23-JL-065769-01

Client Code: JL0000651
PO#: 500mg Meriva_PO-0262

Received On: 08Dec2023
Reported On: 25Jan2024

Eurofins Sample Code:	990-2023-12080272	Sample Registration Date:	08Dec2023
Client Sample Code:	LOT# ME9732-325-2A	Condition Upon Receipt:	acceptable, 20.5°C
Sample Description:	Meriva Curcumin Phytosome 500mg	Sample Reference:	

FS014 - Heavy Metals USP 233	Reference USP 233 Mod.	Accreditation	Completed 15Dec2023	Sub 2
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Parameter	Result	Result	Theoretical
Arsenic	<10.0 ppb		
Cadmium	11.0 ppb		
Lead	31.6 ppb		
Mercury	<5.00 ppb		

FS05M - Organoleptic Evaluation	Reference Internal Method based on USP 25th ed. pg 2363	Accreditation	Completed 15Dec2023	Sub 2
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Parameter	Result	Result	Theoretical
Appearance	Clear capsule with orange clumping powder fill		
Characteristic Odor	Faint uncharacterized odor		
Package Appearance	Black plastic commercial container		

M9027 - Total Curcuminoids	Reference Internal method	Accreditation	Completed 27Dec2023	Sub 3
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Parameter	Result	Result	Theoretical
Bis-Desmethoxy Curcumin	3,630 µg/g	3,630 µg/g	
Curcumin	150,000 µg/g		
Desmethoxy Curcumin	32,400 µg/g		
Total Curcuminoids	186,000 µg/g		

QA0SW - Dithiocarbamates by LC-MS/MS per USP <561>	Reference Anal Bioanal Chem, 2008,392(5), 969-978.Modified.	Accreditation	Completed 15Dec2023	Sub 1
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QA0SW - Dithiocarbamates by LC-MS/MS Reference per USP <561>		Anal Bioanal Chem, 2008,392(5), 969-978.Modified.	Accreditation	Completed 15Dec2023
Parameter Dithiocarbamates (as CS2)		Result <2.00 mg/kg	Result	Theoretical
QA0SY - Bromide, inorganic (GC-MS) <USP 561>		Reference EURL-SRM, Bromine Containing Fumigants	Accreditation	Completed 15Dec2023
Parameter Total Inorganic Bromide		Result <125 mg/kg	Result	Theoretical
QA0SZ - Pesticides <USP 561> (LC-MS/MS and GC-MS/MS)		Reference USP 561	Accreditation	Completed 15Dec2023
Parameter		Result	Result	Theoretical
Acephate		<0.1 mg/kg		
Alachlor		<0.05 mg/kg		
Aldrin and dieldrin (sum of)		<0.05 mg/kg		
Azinphos-ethyl		<0.1 mg/kg		
Azinphos-methyl		<1 mg/kg		
Bromophos-ethyl		<0.05 mg/kg		
Bromophos-methyl		<0.05 mg/kg		
Bromopropylate		<3 mg/kg		
Chlordane (sum)		<0.05 mg/kg		
Chlorfenvinphos		<0.5 mg/kg		
Chlorpyrifos		<0.2 mg/kg		
Chlorpyrifos-methyl		<0.1 mg/kg		
Chlorthal-dimethyl		<0.01 mg/kg		
Cyfluthrin I-IV		<0.1 mg/kg		
Cyhalothrin, lambda-		<1 mg/kg		
Cypermethrin I-IV		<1 mg/kg		
DDT (sum)		<1.0 mg/kg		
Deltamethrin		<0.5 mg/kg		
Diazinon		<0.5 mg/kg		
Dichlofluanid		<0.1 mg/kg		
Dichlorvos		<1 mg/kg		
Dicofol, o,p' & p,p'-		<0.5 mg/kg		
Dimethoate and omethoate (sum of)		<0.1 mg/kg		

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QA0SZ - Pesticides <USP 561> (LC-MS/MS and GC-MS/MS)	Reference USP 561	Accreditation	Completed 15Dec2023	Sub 1
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Parameter	Result	Result	Theoretical
Endosulfan (sum)	<3.0 mg/kg		
Endrin	<0.05 mg/kg		
Ethion	<2 mg/kg		
Etrimfos	<0.05 mg/kg		
Fenchlorophos (sum)	<0.1 mg/kg		
Fenitrothion	<0.5 mg/kg		
Fenpropathrin	<0.03 mg/kg		
Fensulfothion (sum)	<0.05 mg/kg		
Fenthion (sum)	<0.05 mg/kg		
Fenvalerate I&II	<1.5 mg/kg		
Flucythrinate I&II	<0.05 mg/kg		
Fluvalinate, tau- I&II	<0.05 mg/kg		
Fonofos	<0.05 mg/kg		
Heptachlor (sum)	<0.05 mg/kg		
Hexachlorobenzene (HCB)	<0.1 mg/kg		
Hexachlorocyclohexane isomers (other than gamma)	<0.3 mg/kg		
Lindane (gamma-HCH)	<0.6 mg/kg		
Malathion and malaoxon (sum of)	<1 mg/kg		
Mecarbam	<0.05 mg/kg		
Methacrifos	<0.05 mg/kg		
Methamidophos	<0.05 mg/kg		
Methidathion	<0.2 mg/kg		
Methoxychlor	<0.05 mg/kg		
Mirex	<0.01 mg/kg		
Monocrotophos	<0.1 mg/kg		
Parathion-ethyl and paraoxon-ethyl (sum of)	<0.5 mg/kg		
Parathion-methyl and paraoxon-methyl (sum of)	<0.2 mg/kg		
Pendimethalin	<0.1 mg/kg		
Pentachloranisole	<0.01 mg/kg		
Permethrin (sum of isomers)	<1 mg/kg		
Phosalone	<0.1 mg/kg		
Phosmet	<0.05 mg/kg		

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QA0SZ - Pesticides <USP 561> (LC-MS/MS and GC-MS/MS)	Reference USP 561	Accreditation	Completed 15Dec2023	Sub 1
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Parameter	Result	Result	Theoretical
Piperonyl butoxide	<3 mg/kg		
Pirimiphos-ethyl	<0.05 mg/kg		
Pirimiphos-methyl (sum)	<4 mg/kg		
Procymidone	<0.1 mg/kg		
Profenofos	<0.1 mg/kg		
Prothiofos	<0.05 mg/kg		
Pyrethrum (total isomers)	<3 mg/kg		
Quinalphos	<0.05 mg/kg		
Quintozene (sum)	<1 mg/kg		
S 421	<0.02 mg/kg		
Tecnazene	<0.05 mg/kg		
Tetradifon	<0.3 mg/kg		
Vinclozolin	<0.4 mg/kg		

QA0T0 - Standard Addition Confirmation <USP561>	Reference No Reference	Accreditation	Completed 15Dec2023	Sub 1
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Parameter	Result	Result	Theoretical
Standard Addition Confirmation	Not Required		

UM70J - Total Combined Yeasts/Moulds Count - USP Chapter <2021>	Reference U.S. Pharmacopeia Chapter 2021	Accreditation ISO/IEC 17025:2017 A2LA 2918.05	Completed 13Dec2023
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Parameter	Result	Result	Theoretical
Total Combined Yeasts/Moulds Count	< 10 cfu/g	< 10 cfu/g	

ZMCKU - E. coli - USP <2022>	Reference USP <2022>	Accreditation ISO/IEC 17025:2017 A2LA 2918.05	Completed 11Dec2023
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Parameter	Result	Result	Theoretical
E. coli	Not Detected per 10 g	Not Detected per 10 g	

ZMDFK - Total Aerobic Microbial Count - USP Chapter <2021>	Reference U.S. Pharmacopeia Chapter 2021	Accreditation ISO/IEC 17025:2017 A2LA 2918.05	Completed 10Dec2023
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Parameter	Result	Result	Theoretical
Total Aerobic Microbial Count	< 100 cfu/g	< 100 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 10Dec2023
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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 10Dec2023
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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 11Dec2023
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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 11Dec2023
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Parameter	Result	Result	Theoretical
Salmonella spp.	Not Detected per 10 g	Not Detected per 10 g	

Report Comment:

Rev. 01: Adjusted Client Sample Code from "LOT# ME9732-325-2A, ME9732-324-2A" to "LOT# ME9732-325-2A" per client request.

Subcontracting partners:

- 1 - Eurofins Central Analytical Laboratories, Louisiana
- 2 - Eurofins Food Chemistry Testing US Madison, Wisconsin
- 3 - Eurofins Botanical Testing US Brea, California

Respectfully Submitted,



Michael Kaiser
Associate Technical Leader



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