

Rad One LTD

Claudia Armstead
32 Barnmead
Haywards, UNITED KINGDOM RH16 1UZ

ANALYTICAL REPORT

AR-23-JL-031799-01

Client Code: JL0000651
PO#: Cucurmin 500_PO 0227

Received On: 06Jun2023
Reported On: 22Jun2023

Eurofins Sample Code:	990-2023-06060272	Sample Registration Date:	06Jun2023
Client Sample Code:	MC6923-144-2	Condition Upon Receipt:	atypical, 21.6°C
Sample Description:	MERIVA CURCUMIN PHYTOSOME 500MG	Sample Reference:	

FS001 - Heavy Metals (As, Cd, Hg, and Pb)	Reference AOAC 2011.19, 993.14 and 2015.01 (modified)	Accreditation	Completed 19Jun2023	Sub 2
--	--	----------------------	-------------------------------	-----------------

Parameter	Result	Result	Theoretical
Arsenic	<10.0 ppb		
Cadmium	7.44 ppb		
Lead	14.0 ppb		
Mercury	<5.00 ppb		

FS014 - Heavy Metals USP 233	Reference USP 233 Mod.	Accreditation	Completed 21Jun2023	Sub 2
-------------------------------------	----------------------------------	----------------------	-------------------------------	-----------------

Parameter	Result	Result	Theoretical
Arsenic	<10.0 ppb		
Cadmium	8.70 ppb		
Lead	15.3 ppb		
Mercury	<5.00 ppb		

FS05M - Organoleptic Evaluation	Reference Internal Method based on USP 25th ed. pg 2363	Accreditation	Completed 19Jun2023	Sub 2
--	--	----------------------	-------------------------------	-----------------

Parameter	Result	Result	Theoretical
Appearance	See below		
Characteristic Odor	Faint uncharacterized odor		
Package Appearance	Clear whirl-pak bag		

FS05P - Disintegration	Reference Current USP/NF	Accreditation	Completed 19Jun2023	Sub 2
-------------------------------	------------------------------------	----------------------	-------------------------------	-----------------

Parameter	Result	Result	Theoretical
-----------	--------	--------	-------------

Rad One LTD

Claudia Armstead
32 Barnmead
Haywards, UNITED KINGDOM RH16 1UZ

ANALYTICAL REPORT

AR-23-JL-031799-01

Client Code: JL0000651
PO#: Cucurmin 500_PO 0227

Received On: 06Jun2023
Reported On: 22Jun2023

Eurofins Sample Code:	990-2023-06060272	Sample Registration Date:	06Jun2023
Client Sample Code:	MC6923-144-2	Condition Upon Receipt:	atypical, 21.6°C
Sample Description:	MERIVA CURCUMIN PHYTOSOME 500MG	Sample Reference:	

FS05P - Disintegration	Reference Current USP/NF	Accreditation	Completed 19Jun2023	Sub 2
Parameter	Result	Result	Theoretical	
Disintegration Type	Hard Shell Capsules			
Disintegration time	<30:00 minute			
Final Result	Pass			
Method Reference	USP-NF 2023 Online			

JLPT1 - Total Microbial Count Suitability USP Chapter 2021	Reference USP <2021>		Completed 08Jun2023	
---	--------------------------------	--	-------------------------------	--

Parameter	Result	Result	Theoretical	
Total Aerobic Microbial Count	PASS			

JLPT4 - Bile Tolerant Gram Negative Suitability USP Ch 2021	Reference USP <2021>		Completed 09Jun2023	
--	--------------------------------	--	-------------------------------	--

Parameter	Result	Result	Theoretical	
Bile Tolerant Gram Negative Bacteria	PASS			

JLPT8 - Total Combined Mould-Yeast Suitability USP Ch 2021	Reference USP <2021>		Completed 21Jun2023	
---	--------------------------------	--	-------------------------------	--

Parameter	Result	Result	Theoretical	
Total Combined Yeast-Molds Count	PASS			

M9027 - Total Curcuminoids	Reference Internal method	Accreditation	Completed 15Jun2023	Sub 3
-----------------------------------	-------------------------------------	----------------------	-------------------------------	-----------------

Parameter	Result	Result	Theoretical	
Bis-Desmethoxy Curcumin	3,780 µg/g			
Curcumin	149,000 µg/g			
Desmethoxy Curcumin	30,200 µg/g			
Total Curcuminoids	183,000 µg/g			

QA0SW - Dithiocarbamates by LC-MS/MS per USP <561>	Reference Anal Bioanal Chem, 2008,392(5), 969-978.Modified.	Accreditation	Completed 13Jun2023	Sub 1
---	--	----------------------	-------------------------------	-----------------

Parameter	Result	Result	Theoretical	
Dithiocarbamates (as CS2)	<2.00 mg/kg			

Rad One LTD

Claudia Armstead
32 Barnmead
Haywards, UNITED KINGDOM RH16 1UZ

ANALYTICAL REPORT

AR-23-JL-031799-01

Client Code: JL0000651
PO#: Cucurmin 500_PO 0227

Received On: 06Jun2023
Reported On: 22Jun2023

Eurofins Sample Code:	990-2023-06060272	Sample Registration Date:	06Jun2023
Client Sample Code:	MC6923-144-2	Condition Upon Receipt:	atypical, 21.6°C
Sample Description:	MERIVA CURCUMIN PHYTOSOME 500MG	Sample Reference:	

QA0SY - Bromide, inorganic (GC-MS) <USP 561>	Reference EURL-SRM, Bromine Containing Fumigants	Accreditation	Completed 13Jun2023	Sub 1
---	---	----------------------	-------------------------------	-----------------

Parameter	Result	Result	Theoretical
Total Inorganic Bromide	<125 mg/kg		

QA0SZ - Pesticides <USP 561> (LC-MS/MS and GC-MS/MS)	Reference USP 561	Accreditation	Completed 13Jun2023	Sub 1
---	-----------------------------	----------------------	-------------------------------	-----------------

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		
Endosulfan (sum)	<3.0 mg/kg		
Endrin	<0.05 mg/kg		
Ethion	<2 mg/kg		
Etrinfos	<0.05 mg/kg		
Fenchlorophos (sum)	<0.1 mg/kg		

Rad One LTD

Claudia Armstead
32 Barnmead
Haywards, UNITED KINGDOM RH16 1UZ

ANALYTICAL REPORT

AR-23-JL-031799-01

Client Code: JL0000651
PO#: Cucurmin 500_PO 0227

Received On: 06Jun2023
Reported On: 22Jun2023

Eurofins Sample Code:	990-2023-06060272	Sample Registration Date:	06Jun2023
Client Sample Code:	MC6923-144-2	Condition Upon Receipt:	atypical, 21.6°C
Sample Description:	MERIVA CURCUMIN PHYTOSOME 500MG	Sample Reference:	

QA0SZ - Pesticides <USP 561> (LC-MS/MS and GC-MS/MS)	Reference USP 561	Accreditation	Completed 13Jun2023	Sub 1
---	------------------------------	----------------------	--------------------------------	------------------

Parameter	Result	Result	Theoretical
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		
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		

Rad One LTD

Claudia Armstead
32 Barnmead
Haywards, UNITED KINGDOM RH16 1UZ

ANALYTICAL REPORT

AR-23-JL-031799-01

Client Code: JL0000651
PO#: Cucurmin 500_PO 0227

Received On: 06Jun2023
Reported On: 22Jun2023

Eurofins Sample Code:	990-2023-06060272	Sample Registration Date:	06Jun2023
Client Sample Code:	MC6923-144-2	Condition Upon Receipt:	atypical, 21.6°C
Sample Description:	MERIVA CURCUMIN PHYTOSOME 500MG	Sample Reference:	

QA0SZ - Pesticides <USP 561> (LC-MS/MS and GC-MS/MS)	Reference USP 561	Accreditation	Completed 13Jun2023	Sub 1
---	-----------------------------	----------------------	-------------------------------	-----------------

Parameter	Result	Result	Theoretical
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 13Jun2023	Sub 1
--	----------------------------------	----------------------	-------------------------------	-----------------

Parameter	Result	Result	Theoretical
Standard Addition Confirmation	Not required		

UM83V - Total Combined Yeasts/Moulds Count - USP Chapter <61>	Reference U.S. Pharmacopeia Chapter 61	Accreditation ISO/IEC 17025:2017 A2LA 2918.05	Completed 22Jun2023
--	--	--	-------------------------------

Parameter	Result	Result	Theoretical
Total Combined Yeasts/Moulds Count	3,400 cfu/g	3,400 cfu/g	

ZMCKU - E. coli - USP <2022>	Reference USP <2022>	Accreditation ISO/IEC 17025:2017 A2LA 2918.05	Completed 19Jun2023
---	--------------------------------	--	-------------------------------

Parameter	Result	Result	Theoretical
Escherichia Coli	Not Detected per 10 g	Not Detected per 10 g	

ZMCLR - Escherichia coli Suitability - USP Chapter <2022>	Reference U.S. Pharmacopeia Chapter 2022	Accreditation ISO/IEC 17025:2017 A2LA 2918.05	Completed 19Jun2023
--	--	--	-------------------------------

Parameter	Result	Result	Theoretical
Escherichia coli Suitability	PASS per sample	PASS per sample	

ZMCLT - Pseudomonas aeruginosa Suitability - USP Chapter <62>	Reference U.S. Pharmacopeia Chapter 62	Accreditation ISO/IEC 17025:2017 A2LA 2918.05	Completed 09Jun2023
--	--	--	-------------------------------

Parameter	Result	Result	Theoretical
-----------	--------	--------	-------------

Rad One LTD

Claudia Armstead
32 Barnmead
Haywards, UNITED KINGDOM RH16 1UZ

ANALYTICAL REPORT

AR-23-JL-031799-01

Client Code: JL0000651
PO#: Cucurmin 500_PO 0227

Received On: 06Jun2023
Reported On: 22Jun2023

Eurofins Sample Code:	990-2023-06060272	Sample Registration Date:	06Jun2023
Client Sample Code:	MC6923-144-2	Condition Upon Receipt:	atypical, 21.6°C
Sample Description:	MERIVA CURCUMIN PHYTOSOME 500MG	Sample Reference:	

ZMCLT - Pseudomonas aeruginosa Suitability - USP Chapter <62>	Reference U.S. Pharmacopeia Chapter 62	Accreditation ISO/IEC 17025:2017 A2LA 2918.05	Completed 09Jun2023
--	--	--	-------------------------------

Parameter	Result	Result	Theoretical
Pseudomonas aeruginosa Suitability	PASS per sample	PASS per sample	

ZMCLY - Salmonella spp. Suitability - USP Chapter <2022>	Reference U.S. Pharmacopeia Chapter 2022	Accreditation ISO/IEC 17025:2017 A2LA 2918.05	Completed 09Jun2023
---	--	--	-------------------------------

Parameter	Result	Result	Theoretical
Salmonella spp. Suitability	PASS per sample	PASS per sample	

ZMCM4 - Staphylococcus aureus Suitability - USP Chapter <2022>	Reference U.S. Pharmacopeia Chapter 2022	Accreditation ISO/IEC 17025:2017 A2LA 2918.05	Completed 08Jun2023
---	--	--	-------------------------------

Parameter	Result	Result	Theoretical
Staphylococcus aureus Suitability	PASS per sample	PASS per sample	

ZMDFK - Total Aerobic Microbial Count - USP Chapter <2021>	Reference U.S. Pharmacopeia Chapter 2021	Accreditation ISO/IEC 17025:2017 A2LA 2918.05	Completed 08Jun2023
---	--	--	-------------------------------

Parameter	Result	Result	Theoretical
Total Aerobic Microbial Count	200 (est) cfu/g	200 (est) cfu/g	

ZMDGE - Staphylococcus aureus - USP Chapter <2022>	Reference U.S. Pharmacopeia Chapter 2022	Accreditation ISO/IEC 17025:2017 A2LA 2918.05	Completed 08Jun2023
---	--	--	-------------------------------

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 09Jun2023
--	--	--	-------------------------------

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 09Jun2023
---	--	--	-------------------------------

Parameter	Result	Result	Theoretical
------------------	---------------	---------------	--------------------

Rad One LTD

Claudia Armstead
32 Barnmead
Haywards, UNITED KINGDOM RH16 1UZ

ANALYTICAL REPORT

AR-23-JL-031799-01

Client Code: JL0000651
PO#: Cucurmin 500_PO 0227

Received On: 06Jun2023
Reported On: 22Jun2023

Eurofins Sample Code: 990-2023-06060272
Client Sample Code: MC6923-144-2
Sample Description: MERIVA CURCUMIN
PHYTOSOME 500MG

Sample Registration Date: 06Jun2023
Condition Upon Receipt: atypical, 21.6°C
Sample Reference:

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
09Jun2023

Parameter

Bile-Tolerant Gram Negative Bacteria (Semiquanti)

Result

<10 MPN per g

Result

<10 MPN per g

Theoretical

ZMEV2 - Salmonella spp. - USP Chapter <2022>

Reference
U.S. Pharmacopeia Chapter 2022

Accreditation
ISO/IEC 17025:2017
A2LA 2918.05

Completed
09Jun2023

Parameter

Salmonella

Result

Not Detected per 10 g

Result

Not Detected per 10 g

Theoretical

Subcontracting partners:

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

Respectfully Submitted,



E. Schmitt

Emily Schmitt
Analytical Services Manager

Results shown in this report relate solely to the item submitted for analysis. | Any opinions/interpretations expressed on this report are given independent of the laboratory's scope of accreditation. | All results are reported on an "As Received" basis unless otherwise stated. | Reports shall not be reproduced except in full without written permission of Eurofins Scientific, Inc. | All work done in accordance with Eurofins General Terms and Conditions of Sale: www.eurofinsus.com/terms_and_conditions.pdf | ✓ Indicates a subcontract test to a different lab. Lab(s) are listed at end of the report. For further details about the performing labs please contact your customer service contact at Eurofins. Measurement of uncertainty can be obtained upon request.