

CERTIFICATE OF ANALYSIS

Product name: Joint & Muscle (Cats & Small Dogs)
Batch number: 001
Manufacturing date: 03/2024
Expiration date: 03/2027
Company: Maktub Ltda.

PHYSICAL TESTS

DESCRIPTION	RESULT	SPECIFICATION	METHOD
Color	Complies	White	Organoleptic
Capsule description	Complies	Size 3, natural hpmc	Organoleptic
Weigth variation	289 mg	(257 – 303) mg/capsule	USP <2091>

CHEMICAL TESTS

DESCRIPTION	RESULT	SPECIFICATION	METHOD
UC II (Undenatured type II collagen ≥ 3%)	20.8 mg	(18 – 22) mg	ELISA
L-Carnitine Tartrate (L-carnitine 67.2%-69.2%)	218.2 mg	(189 – 231) mg	USP

HEAVY METAL TESTS

DESCRIPTION	RESULT	SPECIFICATION	METHOD
Arsenic	< 0.2 ppm	≤ 1.5 ppm	USP <730>
Cadmium	< 0.1 ppm	≤ 0.5 ppm	USP <730>
Lead	< 0.1 ppm	≤ 1.0 ppm	USP <730>
Mercury	< 0.1 ppm	≤ 0.5 ppm	USP <730>

MICROBIOLOGICAL TESTS

DESCRIPTION	RESULT	SPECIFICATION	METHOD
Total aerobic microbial count	mpn < 300/g	≤ 1E4 cfu/g	USP <2021>
Total molds & yeast count	10 cfu/g	≤ 1E3 cfu/g	USP <2021>
Absence of E. coli	Absence	Absence in 10g	USP <2022>
Absence of Salmonella spp.	Absence	Absence in 10g	USP <2022>

This certificate of analysis reflects reports by our supplier(s) and/or independent laboratories. This product has been packaged ni accordance with the master formulation listed above and in compliance with the customer requirements (specifications). The packaging records were reviewed and found to be in compliance with cGMP.