

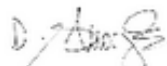
CERTIFICATE OF ANALYSIS

PRODUCT:	COLLAGENE TRIPLE ACTION	GRADE:	NPN 80066960
CODE:	LIQUIDE (450 ml)	DATE OF MANUFACTURE:	2018-01
MANUFACTURED UNDER LOT:	COLL360LI	EXPIRATION DATE:	2020-01
PACKAGED UNDER LOT:	25399	MANUFACTURED QTY:	9912 bottles
	25394		

VERSION: 03

Issued date: 2018-02-15

Approved by:



TEST	LIMITS	METHOD	RESULTS
IDENTITY			
Appearance:	Translucent liquid	Visual	Complies
Color:	Orange to brown/ darkish brown	Visual	Complies
Odor/ Taste:	Citrus (orange-tangerine) and/or collagen	Organoleptic	Complies
pH:	4.0 - 5.0	pH meter	4.5
ACTIVITY			
Hydrolyzed Collagen (bovine)	4 500 - 5 500 mg/15 ml (Target: 5 000)	Input	Complies
Lysine (L-Lysine)	120 - 180 mg/15 ml (Target: 150)	HPLC	158 mg/15 ml
Vitamin C (ascorbic acid)	40 - 75 mg/15 ml (Target: 50)	HPLC	51 mg/15 ml
PURITY			
Total aerobic microbial count	< 1 000 cfu/g	USP <2021>	< 10 cfu/g
Yeasts / Moulds	< 100 cfu/g	USP <2021>	< 10 cfu/g
<i>Pseudomonas aeruginosa</i>	Absence	USP <62>	Absence
<i>Escherichia coli</i>	Absence	USP <2022>	Absence
<i>Salmonella spp.</i>	Absence	USP <2022>	Absence
<i>Staphylococcus aureus</i>	Absence	USP <2022>	Absence
Arsenic	< 0.59 ppm	USP <232>/<233>	< 0.002 ppm
Cadmium	< 0.38 ppm	USP <232>/<233>	< 0.002 ppm
Lead	< 0.59 ppm	USP <232>/<233>	< 0.002 ppm
Mercury	< 1.22 ppm	USP <232>/<233>	< 0.001 ppm
Residual solvents ⁽¹⁾	USP limits	USP <467>	Complies

⁽¹⁾ Tested according to SOP CQ026

VERIFIED BY:



QUALITY CONTROL (QC)

2018-02-15

DATE

APPROVED FOR USE BY:



QUALITY ASSURANCE (QA)

2018-02-15

DATE