



CERTIFICATE OF ANALYSIS

PRODUCT:	<u>VITAMIN C CHEWABLE ORANGE</u>	GRADE:	<u>NPN 80021794</u>
CODE:	<u>102352</u>	MANUFACTURE DATE:	<u>2018-07</u>
MANUFACTURED UNDER LOT:	<u>8G1701</u>	EXPIRATION DATE:	<u>2021-07</u>
PACKED UNDER LOT :	<u>17972</u>		

VERSION: 11

Issued Date: 2018-05-23

Approved by:

TEST	LIMITS	METHOD	RESULTS
IDENTITY			
Appearance:	Biconvex, round, plain on both sides, chewable tablet	Visual	Complies
Color:	Yellow - orange with specks	Visual	Complies
Odor:	Orange	USP <2091>	Complies
Average weight:	891 - 1 089 mg/tab	USP <2091>	993 mg/tab
Weight variation:	USP limits	USP <2091>	Complies
ACTIVITY			
Vitamin C (Ascorbic Acid & Sodium Ascorbate)	450 - 578 mg/tab (Target: 500 mg /tab)	USP	590 mg/tab
Acerola (<i>Malpighia glabra</i>) berry	0.95 - 1.05 mg/tab (Target: 1 mg /tab)	Input	Complies
Rose Hips (<i>Rosa canina</i>) fruit	0.95 - 1.05 mg/tab (Target: 1 mg /tab)	Input	Complies
Citrus bioflavonoids (<i>Citrus limon</i>) peel	0.95 - 1.05 mg/tab (Target: 1 mg /tab)	Input	Complies
Hesperidin (<i>Citrus limon, Citrus sinensis</i>) peel	0.95 - 1.05 mg/tab (Target: 1 mg /tab)	Input	Complies
Rutin (<i>Dimorphandra mollis</i>) fruit	0.95 - 1.05 mg/tab (Target: 1 mg /tab)	Input	Complies
Orange (<i>Citrus sinensis</i>) peel	0.95 - 1.05 mg/tab (Target: 1 mg /tab)	Input	Complies
PURITY			
Total aerobic microbial count	≤ 3 000 cfu/tab	USP <2021>	< 10 cfu/tab
Yeasts / Moulds	≤ 300 cfu/tab	USP <2021>	< 10 cfu/tab
<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	< 2.45 µg/tab	USP <232>/<233>	< 0.03 µg/tab
Cadmium	< 1.57 µg/tab	USP <232>/<233>	< 0.02 µg/tab
Lead	< 2.45 µg/tab	USP <232>/<233>	< 0.02 µg/tab
Mercury	< 5.07 µg/tab	USP <232>/<233>	< 0.02 µg/tab
Residual solvents ⁽¹⁾	USP limits	USP <467>	Complies
Pesticides ⁽¹⁾	USP limits	USP <561>	Complies

⁽¹⁾Tested according to SOP CQ026

VERIFIED BY:
 QUALITY CONTROL (QC)
 2018-11-29

 DATE

APPROVED FOR USE BY:
 QUALITY ASSURANCE (QA)
 2018-11-30

 DATE