



JOKER (FAR EAST) LTD
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RESULTS:

CLEANLINESS OF MATERIALS

The sample(s) was examined for microbial limits according to the United States Pharmacopeia USP XXXI, Microbiological Tests: <61> - Microbial Limit Tests.

Test Component (A): Composite of neon green of style # 1 sample, neon yellow of style # 2 sample & neon pink of style # 3 sample slime

Parameter	Result	Requirement	Conclusion
Total aerobic microbial count (TPC)	80 cfu/g	---	---
Total combined molds and yeast counts (YM)	LT 10 cfu/g	---	---
Total viable count (TPC + YM)	80 cfu/g	5,000 cfu/g	Pass
Staphylococcus aureus	Absence	Absence	Pass
Pseudomonas aeruginosa	Absence	Absence	Pass
Salmonella	Absence	Absence	Pass
Escherichia coli	Absence	Absence	Pass

cfu/mL = colony-forming units per millilitre
 cfu/g = colony-forming units per gram

LT = Less Than
 GT = Greater Than

Note: CTFA (U.S. Cosmetic, Toiletry and Fragrance Association) recommends the reporting of Total aerobic microbial count and Total combined molds and Yeast count as the *Total viable count*. The common acceptance criteria employed in the toy and cosmetic industry are enumerated below for reference.

Category	Total Viable Count	
	Limit Recommended	Acceptance limit
• Baby Products	100 cfu/ml(g)	500 cfu/ml(g)
• Products for the area of the eye		
• All other products	1,000 cfu/ml(g)	5,000 cfu/ml(g)

The inherent variability of a plate count should be taken into account; thus the limit recommended should be interpreted as follows:

100 – maximum limit of acceptance is 500 cfu/ml(g)

1,000 – maximum limit of acceptance is 5,000 cfu/ml(g)

(Reference: CTFA Microbiology Guidelines 2007)