

TEST REPORT

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CERTIFICATE OF ANALYSIS No. : AS20-075

For: RRT Medcon (Pty) Ltd, PO Box 6070, Zimbali, 4418.
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RESULTS "ALCOHOL" CONTENT of HAND SANITIZER

Preamble

1. At present, alcohol-based handrubs are the only known means for rapidly and effectively inactivating a wide array of potentially harmful microorganisms on hands.
2. The best effective means of determining the type and amount of alcohol used in the formulation is by Gas Chromatography.
3. The tests performed by AIRSEP follow the **WHO Specifications** and determine the alcohol content by means of a Gas Chromatographic analysis using certified reference standards.
4. All our instruments used are under constant validation protocol and comply with the ISO 17025 standard requirements.

PRODUCT	Moisturizing Hand Sanitizer		
Batch No.		Batch Weight	
Manufacture Date	08/04/2020	Report Date	09/04/2020

Test Item	WHO Specification	Result	Comment
Appearance	Homogeneous liquid	Yellow homogeneous liquid	Complies
pH	-	7.56	Info only
Density	-	0.8757	Info only
Glycerol (% v/v)	1.45	1.0	Complies
Alcohol as Ethanol (% v/v)	80 ±5 %	58.9	Info
Alcohol as Propan-2-ol (IPA) (% v/v)	75 ± 5 %	19.20	Info
TOTAL ALCOHOL		78.12	Complies

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Comment

1. The WHO consensus of opinion of a WHO expert group recommend that handrub formulations complying with WHO Specifications can be used for both hygienic hand antisepsis and for pre-surgical hand preparation.
2. The microbial activity of the WHO recommended formulation was tested by WHO reference Laboratories according to EN standards (EN1500). Their activity was found to be equivalent to the reference substance (isopropanol 60%v/v) for hygienic hand antisepsis.

Conclusion

1. Product alcohol content COMPLIES with WHO recommendation.
2. No further bacterial testing required if the alcohol content complies with WHO Specifications – See Comment 2.

Indemnity Clause

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Dr RF van de Water
Responsible Laboratory Manager
Pr.Sci.Nat. (Practice number 114194)

Date: 09 April 2020

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