



Test Report Hand Rub Product
BS EN 1650:2019

Company Name: TR Bonnyman & Co Ltd
Contact Name: David Dickie
Contact Email: david@bonnymans.co.uk
Purchase Order No: N/A
Report Date: 25/01/2021
Melbec Ref Number: 22811
No. of Samples: 1
Name of Test Product: Alcohol Hand Rinse
Batch Number: AT150920/A



Test Report Hand Rub Product
BS EN 1650:2019

Sample Details:

Manufacture / Supplier:.....	TR Bonnyman & Co Ltd
Product storage conditions:.....	Ambient
Appearance of the product (as supplied):.....	Clear liquid
Appearance of the product (after dilution):.....	N/A
Appearance of product with interfering substance and test organism:	White liquid
Active substance and concentration:.....	Ethanol
Product dilutions/concentrations:.....	Ready to Use (RTU), 50% and 1%
Diluent used to dilute product:.....	N/A

The test product was in satisfactory condition for testing when received.

Date product received: 03/12/20

Test Date: 10/12/20

Experimental Conditions:

Interfering substance:	Bovine Albumin (clean 0.3g/l)
Test temperature:	18 to 25 °C
Contact time:	60 Seconds
Test organisms:	Candida albicans ATCC 10231

Incubation temperature: 30 degrees

Requirements of the Standard:

The test product shall demonstrate at least a 4 decimal logarithm (lg) reduction when tested in accordance with this standard under simulated dirty conditions.



Test Report Hand Rub Product
BS EN 1650:2019

Conclusion:

For the product Alcohol Hand Rinse, [Batch code AT150920/A] the log reduction requirements as specified in EN 1650:2019 (4 lg within the relevant contact time) were met for clean conditions with a contact time of 60 seconds.

Testing carried out by:

Name: Danika Weatherburn
Position: Lab Manager

Report authorised by:


Name: Dawn Mellors
Position: Technical Director
Date: 25/01/2021



Test Report for Handrub/Sanitiser Products
BS EN 13624:2013

Company Name: TR Bonnyman & Co Ltd
Contact Name: David Dickie
Contact Email: david@bonnymans.co.uk
Purchase Order No: N/A

Report Date: 25/01/2021

Melbec Ref Number: 22813
No. of Samples: 1

Name of Test Product: Alcohol Hand Rinse
Batch Number: AT150920/A



Test Report for Handrub/Sanitiser Products
BS EN 13624:2013

Sample Details:

Manufacture / Supplier:..... TR Bonnyman & Co Ltd
Product storage conditions:..... Ambient
Appearance of the product (as supplied):..... Clear colourless liquid
Appearance of the product (after dilution):..... N/A
Appearance of product with interfering substance and test organism: Cloudy liquid
Active substance and concentration:..... Ethanol
Product dilutions/concentrations:..... RTU, 50% and 1%
Diluent used to dilute product:..... N/A

Incubation temperature: 30 degrees

The test product was in satisfactory condition for testing when received.

Date product received: 03/12/20 Test Date: 10/12/20

Experimental Conditions:

Interfering substance: Bovine Albumin (clean 0.3g/l)
Test temperature: 18 to 25 °C
Contact time: 60 Seconds
Test organisms: Candida albicans ATCC 10231

Requirements of the Standard:

The test product shall demonstrate at least a 4 decimal logarithm (lg) reduction when tested in accordance with this standard under simulated clean or dirty conditions.



Test Report for Handrub/Sanitiser Products
BS EN 13624:2013

Conclusion:

For the product Alcohol Hand Rinse, [AT150920/A] the log reduction requirements as specified in EN 13624 (4 lg within the relevant contact time) were met for clean conditions with a contact of 60 seconds.

Testing carried out by:

Name: Gemma Morgan
Position: Technical Manager

Report authorised by:


Name: Dawn Mellors
Position: Technical Director
Date: 25/01/2021



Test Report for Handrub/Sanitiser Products
BS EN 13727:2012+A2:2015

Company Name: TR Bonnyman & Co Ltd
Contact Name: David Dickie

Purchase Order No: N/A

Report Date: 25/01/2021

Melbec Ref Number: 22814
No. of Samples: 1

Name of Test Product: Alcohol Hand Rinse
Batch Number: AT150920/A



Test Report for Handrub/Sanitiser Products
BS EN 13727:2012+A2:2015

Sample Details:

Manufacture / Supplier:..... TR Bonnyman & Co Ltd
Product storage conditions:..... Ambient
Appearance of the product (as supplied):..... Colourless liquid
Appearance of the product (after dilution):..... N/A
Appearance of product with interfering substance and test organism: Opaque colourless liquid
Active substance and concentration:..... Ethanol
Product dilutions/concentrations:..... Ready To Use (RTU), 50% and 1%
Diluent used to dilute product:..... Synthetic Hard Water

Incubation temperature: 36 degrees

The test product was in satisfactory condition for testing when received.

Date product received: 03/12/20 Test Date: 23/12/20

Experimental Conditions:

Interfering substance: Bovine Albumin (clean 0.3g/l)
Test temperature: 18 to 25 °C
Contact time: 60 seconds
Test organisms: *Pseudomonas aeruginosa* ATCC 15442
Staphylococcus aureus ATCC 6538
Escherichia coli K12 NCTC 10538
Enterococcus hirae ATCC 10541

Requirements of the Standard:

The test product shall demonstrate at least a 5 decimal logarithm (lg) reduction when tested in accordance with this standard under simulated clean or dirty conditions.



Test Report for Handrub/Sanitiser Products
BS EN 13727:2012+A2:2015

Conclusion:

For the product Alcohol Hand Rinse, [AT150920/A] the log reduction requirements as specified in EN 13727 (5 lg within the relevant contact time) were met met for clean conditions with a contact time of 60 seconds for a Ready To Use (RTU) and 50% dilutions.

Testing carried out by:

Name: Danika Weatherburn
Position: Laboratory Manager

Report authorised by:


Name: Dawn Mellors
Position: Technical Director
Date: 25/01/2021



Test Report for

BS EN 14476:2013+A2:2019

Company: TR Bonnyman Son & Company Ltd
Contact name: David Dickie
Contact email: david@bonnymans.co.uk
Purchase order number: N/A

Date of report: 25/01/21

Melbec reference number: 22810

Name of Test Product: Alcohol Hand Rinse

Batch number: AT150920/A

Expiry: N/A

Manufacturer:

Sample information

Date product received: 02/12/2020

Storage conditions: Room temp

Active substance: 80% Alcohol

Product appearance: Clear liquid

The test product was in a satisfactory condition for testing when received.

Experimental Conditions

Test date(s): 18/12/2020
Diluent used for dilutions: Hard water
Product test concentrations: 80.0% v/v; 50.0% v/v; 1.0% v/v
Appearance of product dilutions: No change
Interfering substance: 0.3g/l bovine albumin
Contact time: 2 min
Test temperature: 20°C + 1°C
Incubation temperature: 37°C ± 1°C CO₂
Appearance of product during test: No change
Product neutralisation procedure: Gel filtration (Microspin S400)

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Test Report for

BS EN 14476:2013+A2:2019

Verification of the methodology

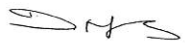
The following criteria, as mentioned in BS EN 14476:2013+A2:2019 have been fulfilled:

1. The titre of the test suspension is 5.83 enabling the demonstration of a 4 lg reduction.
2. The difference between the titre of the test suspension and the recovered titre of the inactivation control were 2.33 at 5 minutes, within -0.75 and -3.5, and 3.33 at 15 minutes, within -2 and <-4.
3. The product did not affect cell morphology and growth.
4. The product did not interfere with susceptibility of the cells for the test organism, the difference in the titre of the test suspension and the recovered titre of the interference control was 0.67, which is <1lg.
5. The product was sufficiently neutralised, the difference in the titre of the test suspension and the recovered titre of the neutralisation control was 0.0, which is <0.5lg
6. At least one product concentration demonstrated a 4lg reduction (results of the 80%) and one product demonstrated a <4lg reduction (result of 10%).

Conclusion:

The test product, Alcohol Hand Rinse (AT150920/A), met the requirements of EN14476 in clean conditions and a contact time of 2 min and hence a claim of 'virucidal activity against enveloped viruses' can be made.

Report Authorised By:



Dawn Mellors

Technical Director

This is the end of the test report



Test Report for a Hand Rub Product
BS EN 1276:2019



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Company Name: T R Bonnyman Son & Co Ltd
Contact Name: David Dickie
Contact Email: david@bonnymans.co.uk
Purchase Order No: 25251
Report Date: 25/04/2020
Melbec Ref Number: 16347
No. of Samples: 1
Name of Test Product: Alcohol Rinse (WHO)
Batch Number: AT150420B



Test Report for a Hand Rub Product
BS EN 1276:2019



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Conclusion:

For the product Alcohol Rinse (WHO), [AT150420B] the log reduction requirements as specified in EN 1276:2019 (5 lg within the relevant contact time) were met.

Testing carried out by:

Name: Gemma Morgan
Position: Technical Manager

Report authorised by:


Name: Dawn Mellors
Position: Technical Director
Date: 25/04/2020



Test Report for BS EN 1500:2013

Customer Details: T R Bonnyman Son & Co Ltd
Willowburn Road
Willowyard Industrial Estate
Beith
KA15 1LN

Customer Contact Name: David Dickie
Customer Email: david@bonnymans.co.uk
Purchase Order Number: 25251

Date of Report: 03.05.20
Date on Test: 28.04.20
Date Received: 14.04.20

MelBec Reference Number: 16352
No. of samples: 1

Sample Details:

Manufacturer/Supplier: T R Bonnyman Son & Co Ltd
Name of Product: **Alcohol Rinse**
Storage: Room Temperature

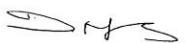
Experimental Conditions as outlined in the standard:

Neutraliser: BU Broth
Bacterial Strains: *E. coli* K12 NCTC 10538
Product Dilution: Neat (as supplied)
Test Product Application: 5ml applied to dry hands. Hands rubbed for 60s.
Incubation Temperature: 36°C ± 1°C

Conclusion:

The test product was not inferior to the reference product and hence has met the requirements of EN 1500.

Report Authorised By:



Dawn Mellors

Technical Director

This is the end of the test report