

AIRX 77 PLUS

**NON-ACID DISINFECTANT
TOILET BOWL & MULTI-PURPOSE
BATHROOM CLEANER**

**Efficacy
Data**

EPA Reg. No. 47371-97-44089

Summary of Antimicrobial Test Results:

AIRX 77 PLUS NON-ACID DISINFECTANT TOILET BOWL & MULTI-PURPOSE BATHROOM CLEANER a "One-Step" Hospital Disinfectant, Virucide, Fungicide, Mildewstat, Sanitizer and Cleaner. Listed in the following pages is a summary of Antimicrobial Claims and a review of test results.

Bacteria Claims

Claim: Disinfectant	Contact time: 10 minutes	Organic Soil: 5%	Water Conditions: Deionized	
Test Method: Official Method of the AOAC, 14th Edition Use-Dilution Method				
Organism	ATCC#	Dilution	Replicates	Results
Pseudomonas aeruginosa	15442	Ready to Use	60, 60, 60	1/60, 1/60, 0/60
Staphylococcus aureus	6538	Ready to Use	60, 60, 60	0/60, 0/60, 0/60
Salmonella choleraesuis	10708	Ready to Use	60, 60, 60	1/60, 0/60, 0/60
Streptococcus pyogenes	Clinical Isolate	Ready to Use	10, 10	0/10, 0/10

Conclusion: All lots of AIRX 77 PLUS NON-ACID DISINFECTANT TOILET BOWL & MULTI-PURPOSE BATHROOM CLEANER effectively killed the above listed bacteria as specified in the test performance standards. AIRX 77 PLUS NON-ACID DISINFECTANT TOILET BOWL & MULTI-PURPOSE BATHROOM CLEANER meets EPA requirements for hard surface disinfectant claims for hospital and medical environments when used "as is" (Ready to Use) in the presence of 5% organic soil.

Virucidal Claims

Claim: Virucide	Contact time: Varies	Organic Soil: 5%	Water Conditions: Deionized			
Test Method: EPA Guidelines						
Organism	Source of Virus or ATCC#	Contact Time	Host System; Cytopathic Effect	Dilution	Replicates	Results log 10 Reduction
Herpes Simplex Type 2	HSV-II Sabin	10 Mins.	Human Epithelioma #2 cells; lytic cytopathic effect	Ready to Use	8	>6.5, 6.75
HIV-1 (AIDS Virus)	HIV III _{RF} NiAID	5 Mins.	MT2 cells; lytic cytopathic effect	Ready to Use	8	>3.0
Influenza A2/Mich	A2/Mich/2/8/-H3N2	10 Mins.	10-day chick embryo; Death of embryo	Ready to Use	4, 4	>7.0, 6.75

Conclusion: All lots of AIRX 77 PLUS NON-ACID DISINFECTANT TOILET BOWL & MULTI-PURPOSE BATHROOM CLEANER effectively inactivated the above listed viruses as specified in the test performance standards. AIRX 77 PLUS NON-ACID DISINFECTANT TOILET BOWL & MULTI-PURPOSE BATHROOM CLEANER meets EPA requirements for hard surface virucidal claims for hospital and medical environments when used "as is" (Ready to Use) in the presence of 5% organic soil.

Fungicidal Claims

Claim: Fungicide	Contact time: 10 minutes	Organic Soil: 5%	Water Conditions: Deionized
Test Method: Official Method of Analysis of the AOAC, Fungicidal Test – Use Dilution			
Organism	ATCC#	Dilution	Replicates
Trichophyton mentagrophytes	9533	Ready to use	10, 10
Results 0/10, 0/10			

Conclusion: All lots of AIRX 77 PLUS NON-ACID DISINFECTANT TOILET BOWL & MULTI-PURPOSE BATHROOM CLEANER effectively killed Trichophyton mentagrophytes as specified in the test performance standards. AIRX 77 PLUS NON-ACID DISINFECTANT TOILET BOWL & MULTI-PURPOSE BATHROOM CLEANER meets EPA requirements as a fungicide for nonporous inanimate hard surfaces when used “as is” (Ready to Use) in the presence of 5% organic soil.

Claim: Mildewstat	Contact time: 10 minutes	Organic Soil: 5%	Water Conditions: Deionized
Test Method: Mildewstat (Mold and Mildew Control) - EPA - TSD 6-201 Mildewstat on Hard Surfaces			
Organism	ATCC #	Use-Dilution	Replicates
Aspergillus niger	6275	Ready to use	10, 10
Results 0/10, 0/10			

Conclusion: All lots of AIRX 77 PLUS NON-ACID DISINFECTANT TOILET BOWL & MULTI-PURPOSE BATHROOM CLEANER were effective against Aspergillus niger under the test conditions outlined in the EPA test performance standards described above. AIRX 77 PLUS NON-ACID DISINFECTANT TOILET BOWL & MULTI-PURPOSE BATHROOM CLEANER meets EPA requirements as a mildewstat for nonporous inanimate hard surfaces when used “as is” (Ready to Use) in the presence of 5% organic soil.

Sanitizer Claims

Claim: Sanitizer Non-Food	Contact time: 5 minutes	Organic Soil: 5%	Water Conditions: Deionized
Test Method: Sanitizer Non-Food Contact Surfaces- EPA For Inanimate, Non- Food Contact Surfaces			
Organism	ATCC #	Dilution	Replicates
Enterobacter aerogenes	13408	Ready to use	6
Staphylococcus aureus	6538	Ready to Use	6
Results % Reduction >99.9 >99.9			

Conclusion: All lots of AIRX 77 PLUS NON-ACID DISINFECTANT TOILET BOWL & MULTI-PURPOSE BATHROOM CLEANER effectively killed the above listed bacteria as specified in the test performance standards with greater than 99.9% reduction within five minutes. AIRX 77 PLUS NON-ACID DISINFECTANT TOILET BOWL & MULTI-PURPOSE BATHROOM CLEANER is an effective Non-Food Contact Sanitizer against the above listed bacteria on nonporous inanimate hard surfaces when used “as is” (Ready to Use) in the presence of 5% organic soil.