


 GOVERNMENT OF DUBAI	Organization:	إدارة مختبر دبي المركزي Dubai Central Laboratory Department	الوحدة التنظيمية:	 بلدية دبي DUBAI MUNICIPALITY
	Document Title:	تقرير فحص مواد التجميل والمنظفات والمطهرات Detergents and Disinfectants Test Report	عنوان الوثيقة:	
	Doc Ref.	DM-DCLD-F-CP-2154	رقم الوثيقة :	

Request No.	CPTR-2020-1019667	Report No.	218353	Test Start	25/11/2020
Request Date	24/11/2020 10:51AM	Report Date	30/11/2020	Test Completion	30/11/2020

Customer Information	
Name:	Smart Chem Hygiene Llc
E-mail :	qa@smartchemuae.com
Contact no.	552297582
Ref. No.	N/A
Service Type	BUSINESS

Product Information	
Name	XACT 200 PLUS
Brand	XACT
Manufacturer	SMART CHEM HYGIENE LLC
Date of Manufacturer	23/11/2020
Country of Origin	United Arab Emirates
Batch / Lot.	BTL231120
Barcode	6291106432497
Quantity	1
Volume	5 liter
Active Ingredients	Benzalkonium chloride
Dilution condition	2.5%
Condition of use	-



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Microbiology tests

Experimental conditions	
Product diluent	Water
Contact time	5 Minutes
Test temperature	20 Deg C
Interfering substance	0.3% Bovine Albumin
Incubation temperature	37 Deg C
Neutralizer	Polysorbate 80

S/N	Test Method	Test Parameters	Test Suspension	Final Count (CFU/ml)	Bactericidal Effect (Log Reduction)	Specification Limit	Bactericidal Efficacy (%)
1	Quantitative Suspension Test for Evaluation of Bactericidal Activity of Chemical Disinfectants and antiseptics (BS EN 1276)	Staphylococcus aureus ATCC 6538	7.21	1.00	6.21	≥ 5	99.99999
		Escherichia coli ATCC 10536	7.12	1.00	6.12	≥ 5	99.99999
		Pseudomonas aeruginosa ATCC 15442	7.14	1.00	6.14	≥ 5	99.99999
		Enterococcus hirae ATCC 10541	7.26	1.00	6.26	≥ 5	99.99999
2	Quantitative Suspension Test for the Evaluation of Fungicidal or Yeastocidal Activity of Chemical Disinfectants and Antiseptics (BS EN 1650*)	Aspergillus brasiliensis ATCC 16404	6.26	1.48	4.78	≥ 4	99.9984
		Candida albicans ATCC 10231	6.20	1.00	4.72	≥ 4	99.9994

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Report summary

Test requested	Conclusion	Observation
Quantitative Suspension Test for Evaluation of Bactericidal Activity of Chemical Disinfectants and antiseptics (BS EN 1276)	COMPLIED	Based on EN1276 the tested product possesses bactericidal activity in 5 minute at 20 deg C under clean condition
Quantitative Suspension Test for the Evaluation of Fungicidal or Yeasticidal Activity of Chemical Disinfectants and Antiseptics (BS EN 1650)	COMPLIED	Based on EN 1650 the tested product possesses Fungicidal & Yeasticidal activity in 5 minutes at 20°C under clean condition.

Remarks:

NIL

Approval

This report is electronic approved, it does not require any signature.

Head of Chemical Analysis Laboratories Unit of Consumer Products & Commodities Section.

NOTE:

- Abbreviation indications: SN = Serial Number, NA = Not Applicable, NC = Not Conducted, ND = Not Detected, LOR = Limit of Reporting, Uexp % = Expanded Uncertainty Percent, DCLD = Dubai Central Laboratory Department.
- The expanded uncertainty is based on a coverage factor $k=2$, at a confidence level of 95%.
- The results contained herein apply only to the sample submitted and to the specific tests carried out and to the product information provided by the customer.
- (*) Indicates that the test is not accredited by EIAC (Certificate No. 205-LB-TEST).
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The Uexp% (log₁₀ CFU) for Microbiology parameters = 0.026602.

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