

Reported by:
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Attention:
XYZ Manufacturing
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Microbial CFU Analysis Report

Sample & Report Information

Sampled For	XYZ Manufacturing	Analysis Type	Total CFU Count; colony differentiation – bacteria and fungi	Report Number	99-88888
Sampled By	John Doe			Customer ID	8000
Sampler Type	Pinnocchio (KPSII)	Incubation Conditions	30°C - 35°C, 5 Days 20°C - 25°C, 5 Days	Received On	5/2/2018
Flowmeter SN	30429			Analyzed On	4/28/2018
Sampling Plan	ISO 8573-7:2003	Deviations	None	Date Reported	4/28/2018
				Pkg Condition at Receipt	Acceptable

No.	Sample Date	Trace Plate ID	Description	Type (D)	Gas	Air Vol., L	Colony Differentiation (C)						Note	CFU (A) (B)	
							GPC	Bacterial		Yeast	Fungal				
								GPR	GNR		TBC	Mold	TFC		
0	4/17/2018	0-S 111107	Sterility Blank	Blank	N/A	0		N/A		0	0	0	0		<1 CFU / plate
1	4/17/2018	1-B 111104	Air Knife Before Blind	Blind	N/A	0		N/A		0	0	0	0		<1 CFU / plate
2	4/17/2018	2-T 111105	Air Knife Test	Pro	Air	1000	1	1	0	2	0	2	2	(G)	4 CFU / m ³
3	4/17/2018	3-A 111106	Air Knife After Blind	Blind	N/A	0		N/A		0	0	0	0		<1 CFU / plate

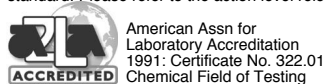
Sterility and growth support testing were performed on the following lot of media, and the media met the requirements. Media: **55mm TSA RODAC** Lot No: **023184** Expiration Date: **10/19/2018**

- (A) CFU / Plate defines the total microbial count for the entire sample. <1 indicates no microorganisms observed.
 (B) CFU/m³ calculations are based on air sample volume. If necessary, a correction factor is applied as provided by the air sampler manufacturer. The laboratory bears no responsibility for sample collection errors. Air samples without air volumes provided are reported as N/A (Not Applicable). Interpretation and use of test results are clients' responsibility.
 (C) Microorganisms are identified as: GPC – Gram Positive Cocci; GPR – Gram Positive Rods; GNR – Gram Negative Rods; Yeast; Mold. <1 indicates no microorganisms observed.
 (D) Type of analysis performed: Basic - TPC / Total Plate Count Only; Value - TPC + Gram Staining for 2 Predominant Colonies; Pro - TPC + Gram Staining for All Colonies
 (G) The Gram Positive Rod CFU found shows to be spore forming.

ACRONYMS:

N/A – Not Applicable
 N/P – Not Provided
 CFU – Colony Forming Unit
 GPC – Gram Positive Cocci
 GPR – Gram Positive Rods
 GNR – Gram Negative Rods
 P1 – Predominant Colony 1
 P2 – Predominant Colony 2
 T – Too Numerous To Count
 TBC – Total Bacterial Count
 TFC – Total Fungal Count
 TNTC – Too Numerous To Count

Note: Microbes are ubiquitous in nature. There is a need to monitor for microbial contaminants of compressed air from water condensate, ambient air, pipeline rust, and other sources. Microbial load should meet defined limits as per ISO 8573-7, USP 797, or other appropriate standard. Please refer to the action level relevant to your facility or industry.



Maria Sandoval
Maria Sandoval, Microbiologist

Analytical Test Methods	Estimate of Uncertainty
MB-Lab-1: Microbiology Lab General Standard Operating Procedures MB-Lab-2: Determination of Colony Forming Units	The average analytical uncertainty for microbial enumeration (k=2) is ±4.266% assuming a 95% confidence interval.

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