

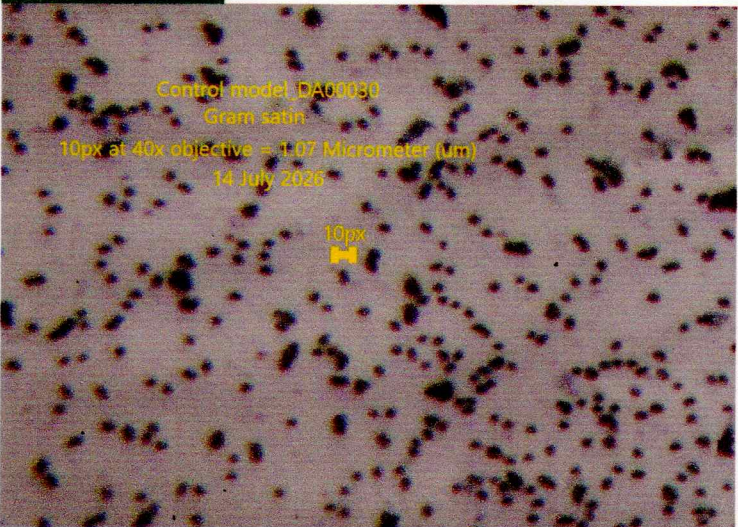


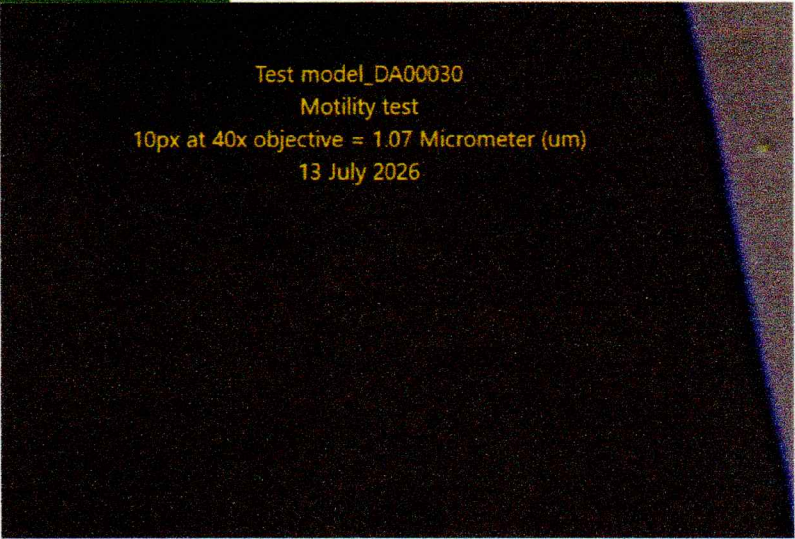
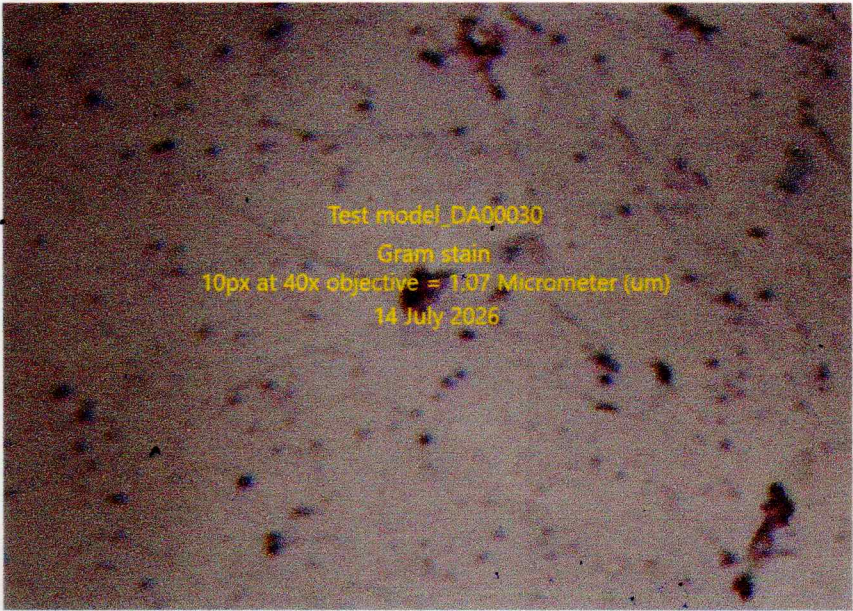
DRIFTACT QUALITY CONTROL DOCUMENT

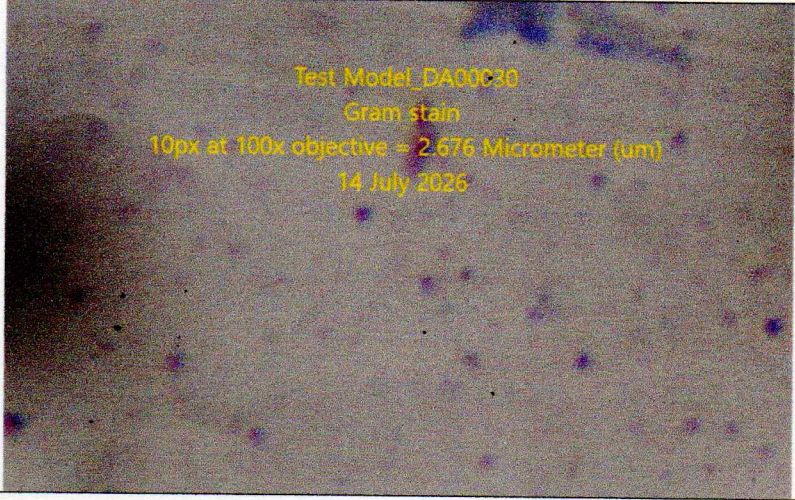
LOT NUMBER: DA00030

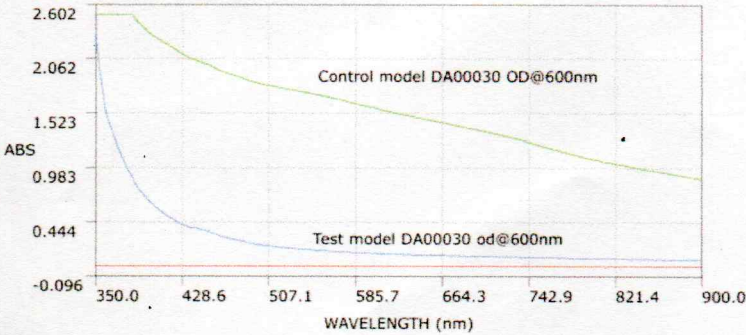
QC COMPLETED DATE: 14 July 2026

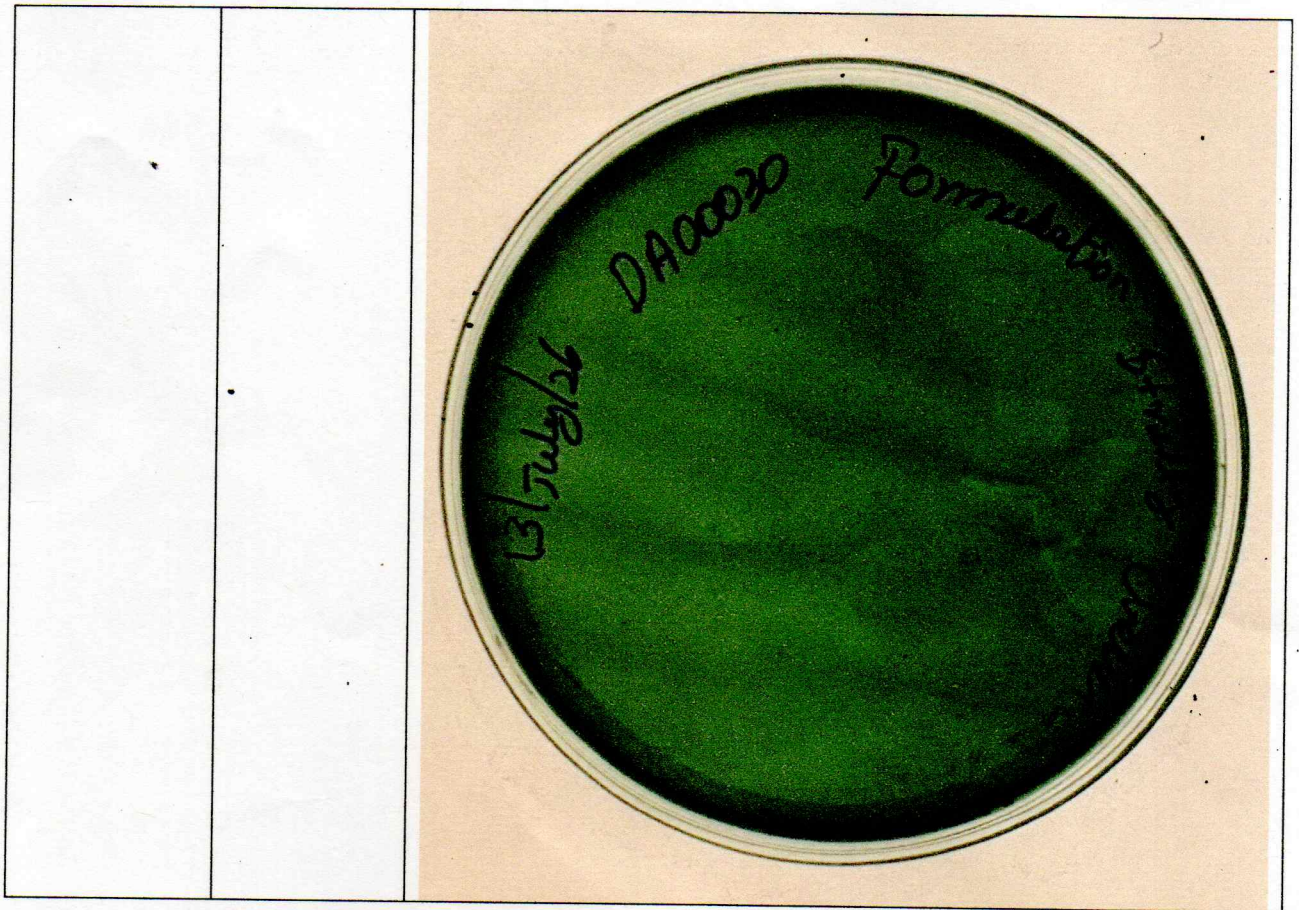
QUALITY CONTROL TESTS DONE	Expected outcome	Actual outcome
BIO-PRODUCTION QC- DRIFTACT		
TEST MODEL& CONTROL MODEL SAMPLE ON TCBS AGAR AFTER PHAGE TREATMENT FOR 4 HOURS. (The quality check uses one of the vibrio host as the model host and tests its viability when grown alone (Control Model) and when grown along with the presence of treated, final reference phages (Test Model))	Reduced number of viable cfu in Test Model when compared to Control Model.	Expected outcome 

OBSERVATION OF CONTROL MODEL CULTURE ALIQUOT IN HANGING DROP FOR MOTILITY TEST	Expected to see higher cell density when compared to Test Model. Uniform single cell to be observed across the drop.	 Control model DA00030 Motility test 10px at 40x objective = 1.07 Micrometer (um) 13 July 2026
GRAM STAINING OF CONTROL MODEL CULTURE ALIQUOT.	Gram negative cells and presence of Vibrio cell morphology	 Control model DA00030 Gram stain 10px at 40x objective = 1.07 Micrometer (um) 14 July 2026

OBSERVATION OF TEST MODEL CULTURE ALIQUOT IN HANGING DROP FOR MOTILITY TEST	Expected to see Reduced cell density when compared to Control Model. Uniform single cell to be observed across the drop.	Expected outcome  Test model_DA00030 Motility test 10px at 40x objective = 1.07 Micrometer (um) 13 July 2026
GRAM STAINING OF TEST MODEL CULTURE ALIQUOT.	Gram negative cells and presence of Vibrio cell morphology Note: Micrograph of 100x objective (1000x magnification) not obtained as there was considerable reduction in bacterial cell density due to phage treatment. Only image with 40x	Expected outcome  Test model_DA00030 Gram stain 10px at 40x objective = 1.07 Micrometer (um) 14 July 2026

	objective is captured.	
PHAGE TITRATION USING MODEL HOST BY DILUTION PLATING OF PHAGES ON MODEL HOST.	Countable plaque forming units (PFU).	Expected outcome  Phage count: 3.3×10^8 PFU per mL.

OD ₆₀₀ SPECTROPHOTOMETER RESULTS								
OPTICAL DENSITY OF CONTROL MODEL CULTURE.	MINIMUM OF OD ₆₀₀ = 0.5	████████████████████ OD₆₀₀ = 1.582  Control model DA00030 OD600nm.rar						
OPTICAL DENSITY OF TEST MODEL CULTURE.	OD ₆₀₀ TO BE LESS THAN THE HOST ONLY ALIQUOT CULTURE.	████████████████████ OD₆₀₀ = 0.137  Test model DA00030 od@600nm.rar						
COMBINED SPECTRAL SCAN IMAGE OF CONTROL MODEL VS TEST MODEL	TEST MODEL TO HAVE LOWER ABSORBANCE CHARACTERS THAN CONTROL MODEL.	SYSTRONICS VIS Double Beam Spectro - 1203 Date : 13-07-2026Time : 04-21-30 PM Name : Systronics Sample ID : SCAN ANALYSIS  LEGENDS: — Blaank read — Control model DA00030 OD600nm — Test model DA00030 od@600nm POINT PICK <table><tr><td>Wavelength</td><td>ABS</td></tr><tr><td>600.0</td><td>0.137</td></tr><tr><td>712.0</td><td>0.107</td></tr></table>  DA00030 control vs test model.rar	Wavelength	ABS	600.0	0.137	712.0	0.107
Wavelength	ABS							
600.0	0.137							
712.0	0.107							
OPTICAL DENSITY OF HOST ONLY ALIQUOT	APPROXIMATE OF OD ₆₀₀ = 1	████████████████████ OD₆₀₀ = 1.199						



QUALITY
APPROVED