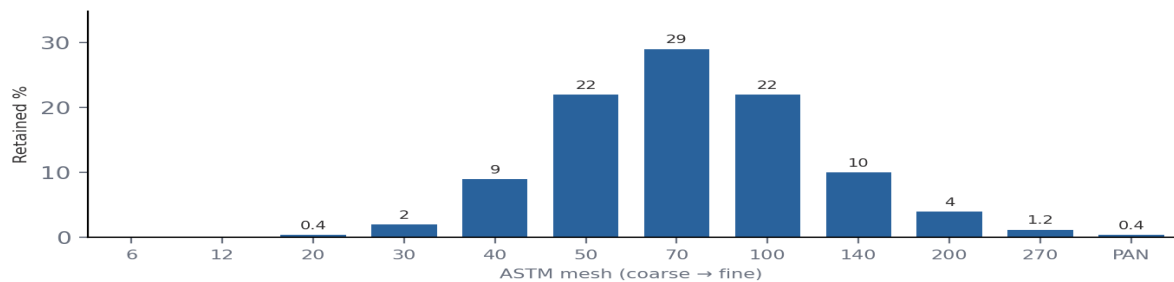


Report No.	VEPL/SA/2026/0142	Machine	VAFS-I (Auto Fineness Sieve)
Date	21 Aug 2026	Sample	Processed green sand
Customer	Sample Foundry Pvt. Ltd.	Sample weight	50.0 g
Lot No.	LOT-2026-0847	Truck No.	MH-09-AB-1234
Invoice No.	INV/2026/3312	Tested by	S.J.P.
Sieve set	ASTM (12 screens)	Retention time	10 min, vibrated

SIEVE DISTRIBUTION

Screen mm	Mesh (ASTM)	Mesh (BSS)	Retained gm	Retained %	Passing Cumul. %	M3	R·M3
3.350	6	5	0	0	100	3	0
1.700	12	14	0	0	100	5	0
0.850	20	22	0.2	0.4	99.6	10	4
0.600	30	30	1	2	97.6	20	40
0.425	40	44	4.5	9	88.6	30	270
0.300	50	60	11	22	66.6	40	880
0.212	70	85	14.5	29	37.6	50	1450
0.150	100	120	11	22	15.6	70	1540
0.106	140	150	5	10	5.6	100	1000
0.075	200	200	2	4	1.6	140	560
0.053	270	300	0.6	1.2	0.4	200	240
-	PAN	PAN	0.2	0.4	0	300	120
TOTAL			50	100		Σ	6104

RETAINED % BY SIEVE



AFS GRAIN FINENESS NUMBER	GRADING	FINES (on pan)	MAIN SCREENS
61	Medium	0.4 %	50 / 70 / 100

Remarks: Processed sand sample. Test sieve vibrated (10-min retention time); AFS calculator. Sand distribution concentrated on the 50-70-100 ASTM screens, indicating a well-graded medium sand. *(Representative sample data.)*

Tested by

Checked by

Approved by