



ZIRCOPAQUE 1 MICRON P - 60 % Zr

RESIDUE TEST						
300MESH	500MESH	800MESH	Zn	U	Th	U+Th
NIL	NIL	NIL	<55 ppm	<220 ppm	<117 ppm	<337 ppm

CHEMICAL TEST					
ZrO ₂	HfO ₂	SiO ₂	Fe ₂ O ₃	TiO ₂	Al ₂ O ₃
60.152	1.185	35.699	0.087	0.158	1.115
STANDARD					
59.652	1.151	36.329	0.112	0.215	1.663

WHITE GLAZE TEST	L	a	b
PACKED BATCH	87.83	1.55	0.50
STANDARD	87.67	1.65	0.47
			DELTA E=0.191

BLACK GLAZE TEST	L	a	b
PACKED BATCH	47.72	0.35	4.79
STANDARD	47.90	0.17	4.59
			DELTA E=0.324

PARTICLE REPORT							
	D-50	D-90	D-97	%OF PARTICLES BELOW			
				10MIC.	5MIC.	2MIC.	1MIC.
PACKED BATCH	1.23	3.09	4.17	100	99.14	73.14	39.25
STANDARD	1.25	3.21	4.31	100	98.61	73.44	37.59
Grain Size	S.G.	Size mm	Moisture (%)	Density g/cm ³	L whiteness	Hardness	PH
d50 - 1.10 μ	4.5	0.001 mm	0.70%	0.8	87.83	7.5 on the MOHs scale	> 7

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NAVRATNA CORPORATE PARK
Office no. 207 & 208 "A" Block
Opp. Dishman corporate house
iscon ambali bopal road
ambali, ahmedabad, 380058



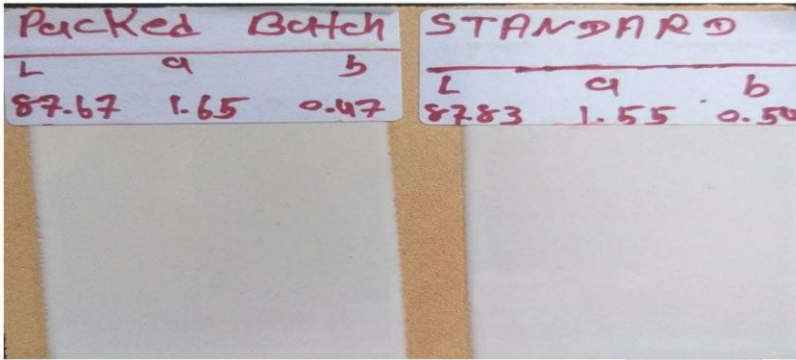
Amruth



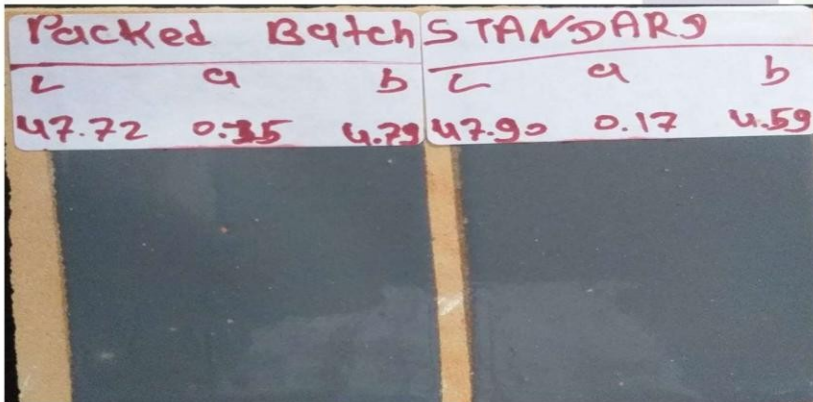
BODY Button Test & Lab Values 1200°C



White Glaze Strip Test and Lab Values 1080°C



Black Glaze Strip Test and Lab Values 1080°C



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Arind



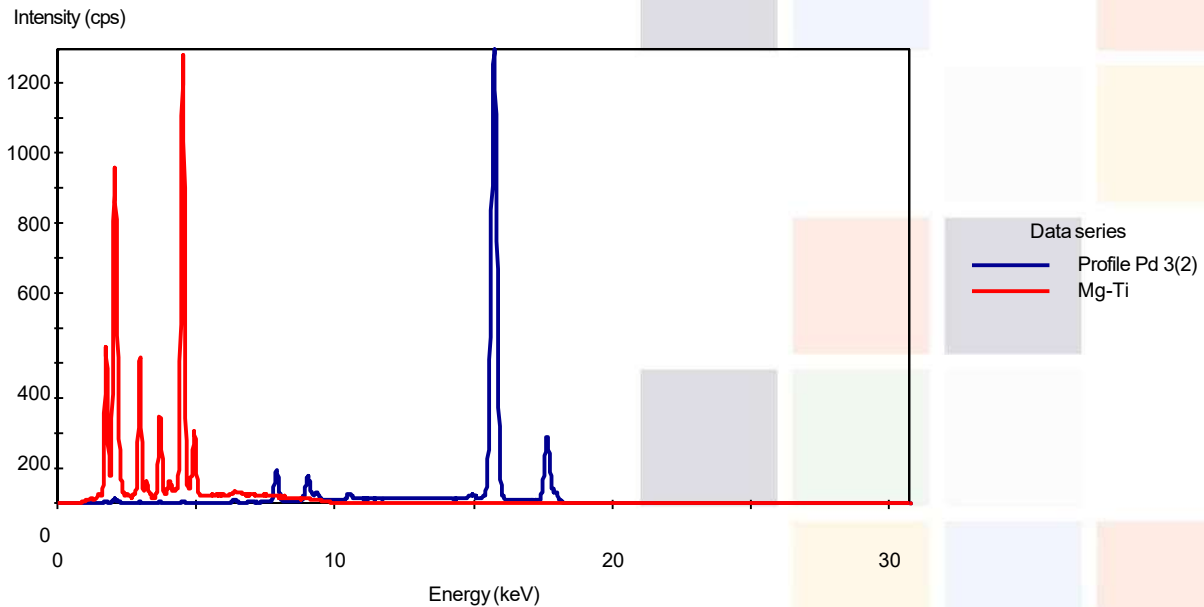
**OPERATOR: INSTRUMENT
OPERATOR**

Analysis Method: OPAQUE 2021

Analyte Concentration Table

Element	Line	Concentration
ZrO2	Ka	60.152 Wt %
HfO2	La	1.185 Wt %
SiO2	K	35.699 Wt %
Fe2O3	Ka	0.087 Wt %
TiO2	Ka	0.158 Wt %
Al2O3	Ka	0.115 Wt %

Spectra for all conditions



RADIOACTIVITY	
U	283 PPM
TH	116 PPM
U + TH	399 PPM



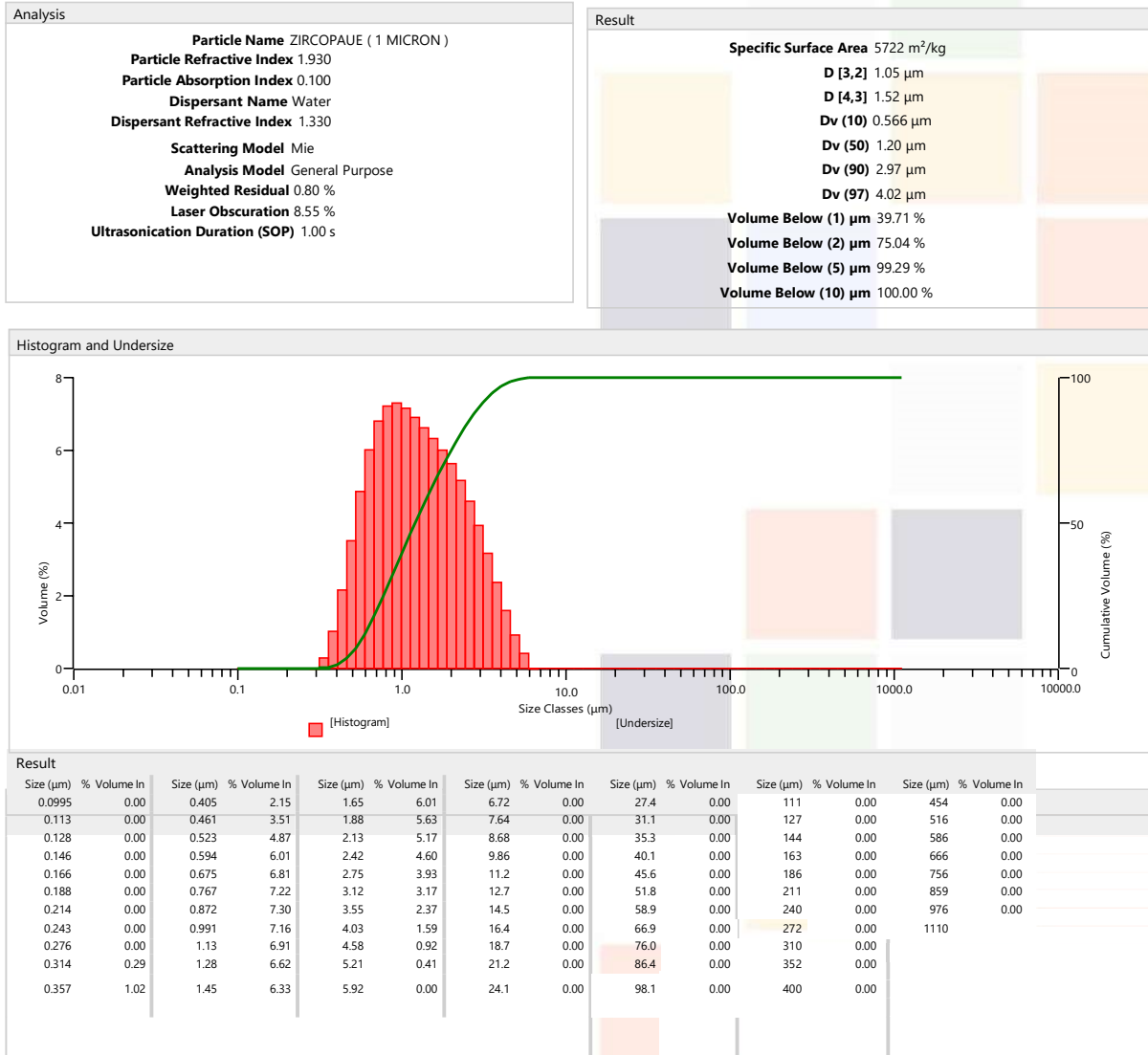
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