



ZIRCOPAQUE< 1 MICRON SHWET - 62% 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
64.611	1.162	32.469	0.080	0.128	0.766
STANDARD					
64.386	1.174	32.756	0.140	0.172	0.889

WHITE GLAZE TEST	L	a	b
PACKED BATCH	88.69	0.75	1.32
STANDARD	88.55	0.96	1.45
			DELTA E=0.284

BLACK GLAZE TEST	L	a	b
PACKED BATCH	48.55	0.09	3.14
STANDARD	48.65	0.09	3.19
			DELTA E=0.112

PARTICLE REPORT							
	D-50	D-90	D-97	%OF PARTICLES BELOW			
				10MIC.	5MIC.	2MIC.	1MIC.
PACKED BATCH	0.946	2.65	3.68	100	99.69	81.40	52.91
STANDARD	1.05	2.40	3.48	100	99.54	82.35	48.91
Grain Size	S.G.	Size mm	Moisture (%)	Density g/cm ³	L whiteness	Hardness	PH
d50 – 0.95 μ	4.5	0.001 mm	0.70%	0.8	88.69	7.5 on the MOHs scale	> 7

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



Arind



White Glaze Strip Test and Lab Values 1080°C

STANDARD			Packed Batch		
L	a	b	L	a	b
88.55	0.96	1.45	88.69	0.75	1.32

Black Glaze Strip Test and Lab Values 1080°C

Packed Batch			STANDARD		
L	a	b	L	a	b
48.55	0.09	3.14	48.65	0.09	3.19



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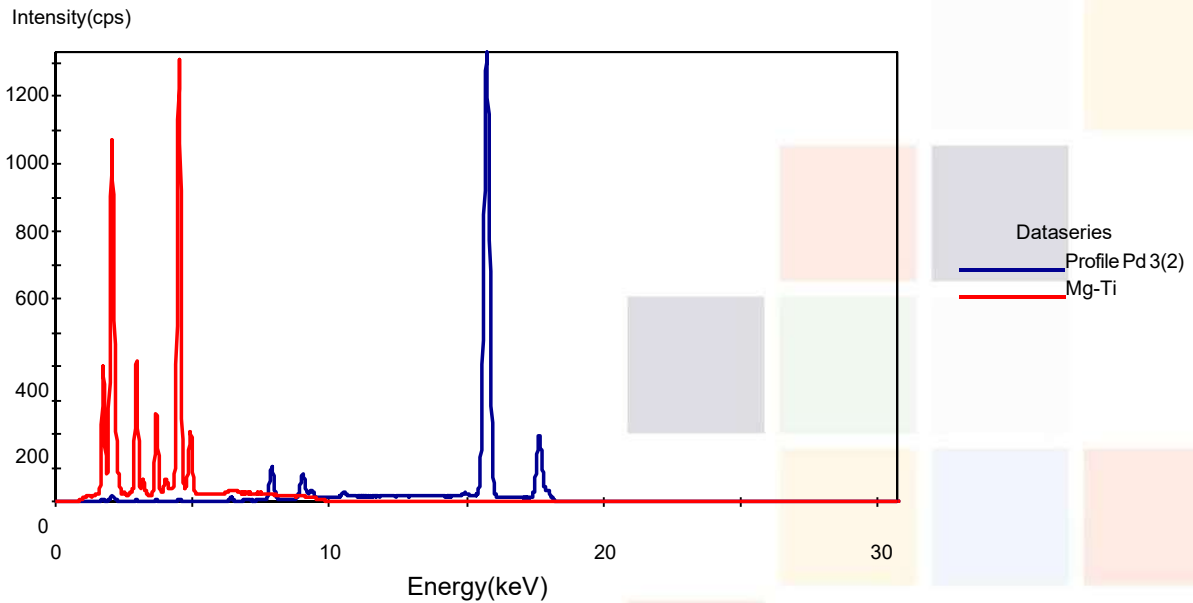
OPERATOR: INSTRUMENT
OPERATOR

AnalysisMethod: OPAQUE 2021

Analyte Concentration Table

Element	Line	Concentration
ZrO2	Ka	64.611 Wt %
HfO2	La	1.162 Wt %
SiO2	K	32.469 Wt %
Fe2O3	Ka	0.080 Wt %
TiO2	Ka	0.128 Wt %
Al2O3	Ka	0.766 Wt %

Spectra for all conditions



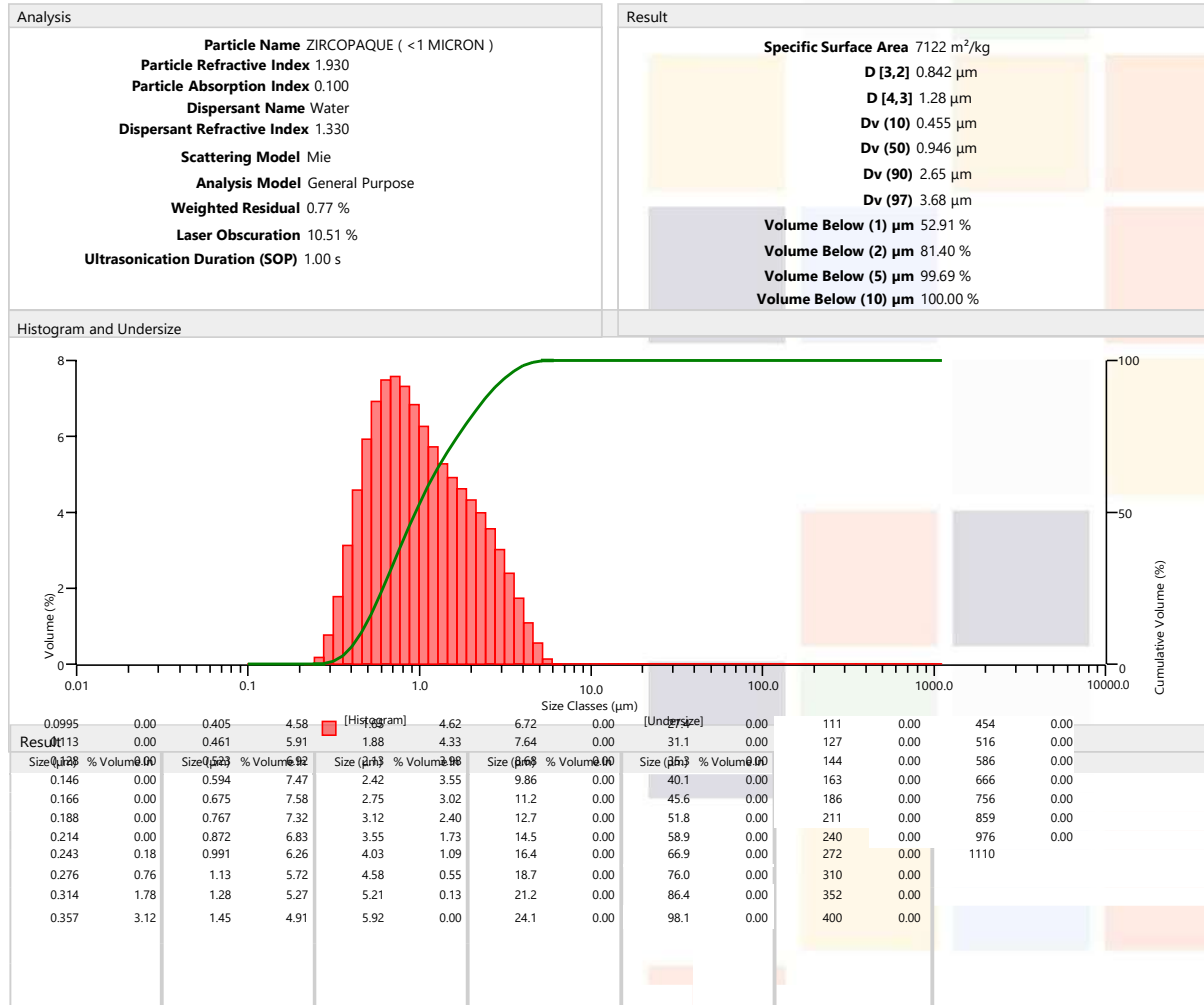
RADIOACTIVITY	
U	283 PPM
TH	116 PPM
U + TH	399 PPM



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Prasad