



ZIRCON POx - 36 % Zr

RESIDUE TEST

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

CHEMICAL TEST

ZrO2	HfO2	SiO2	Fe2O3	TiO2	Al2O3
35.856	0.861	50.147	0.075	0.174	1.416
STANDARD					
35.848	0.793	50.379	0.115	0.239	1.752

BODY TEST

	L	a	b
PACKED BATCH	88.87	0.08	6.85
STANDARD	89.12	0.01	6.73
			DELTA E=0.286

WHITE GLAZE TEST

	L	a	b
PACKED BATCH	84.39	0.89	2.17
STANDARD	84.20	0.79	2.22
			DELTA E=0.220

PARTICLE REPORT

	D-50	D-90	D-97	%OF PARTICLES BELOW			
				10MIC.	5MIC.	2MIC.	1MIC.
PACKED BATCH	1.72	11.2	23.20	88.97	80.98	55.90	26.34
STANDARD	2.15	9.56	18.50	89.93	80.46	49.39	21.88
Grain Size	S.G.	Size mm	Moisture (%)	Density g/cm3	L whiteness	Hardness	PH
d50 - 1.1 μ	4.5	0.001 mm	0.70%	0.8	84.39	7.5 on the MOHs scale	> 7

OPAQUE

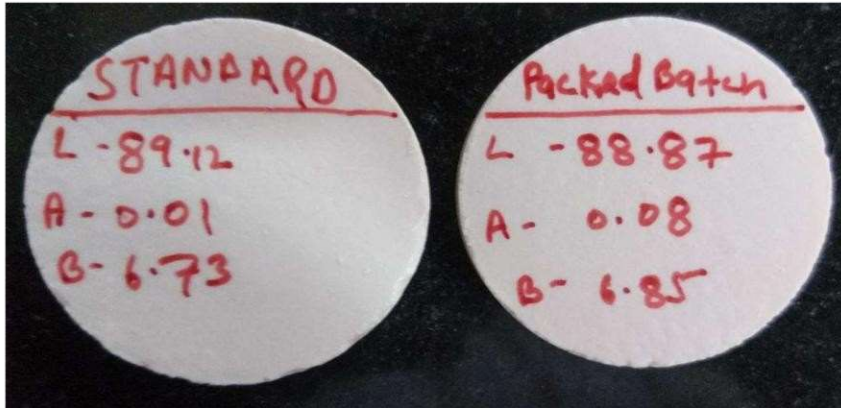
CERAMICS

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

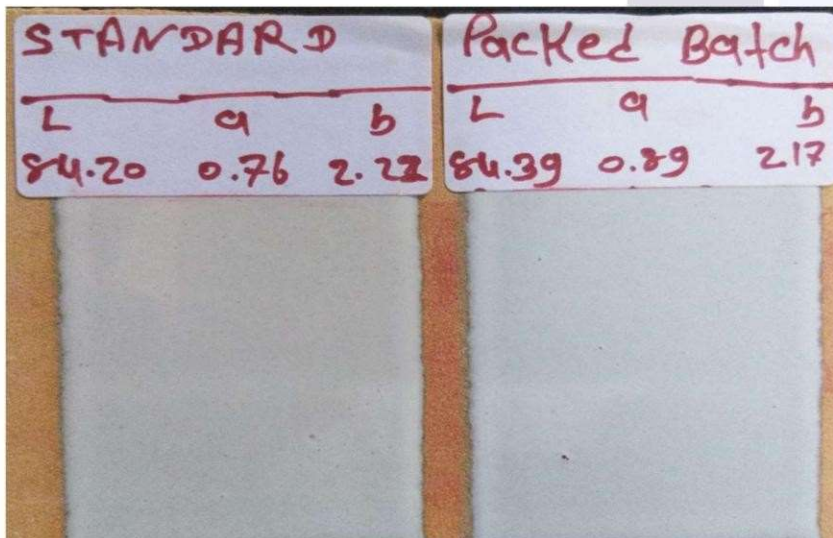




BODY Button Test & Lab Values 1200°C



White Glaze Strip Test and Lab Values 1080°C



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C E R A M I C S

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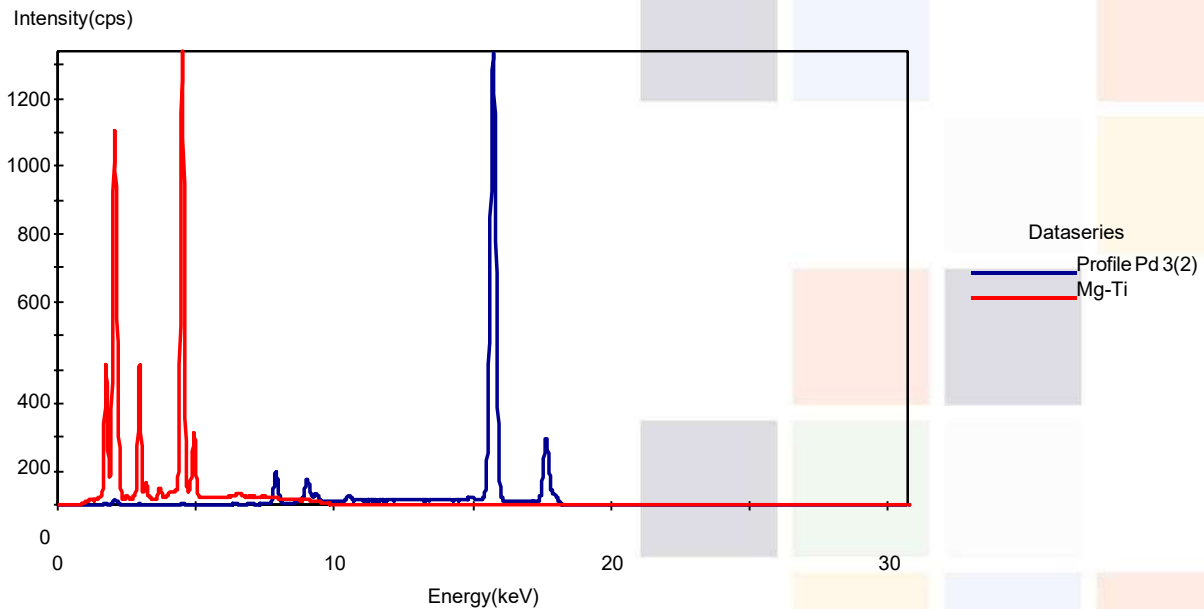
OPERATOR: INSTRUMENT
OPERATOR

Analysis Method: OPAQUE ZIRCON 2022

Analyte Concentration Table

Element	Line	Concentration
ZrO2	Ka	35.856 Wt %
HfO2	La	0.861 Wt %
SiO2	K	50.147 Wt %
Fe2O3	Ka	0.075 Wt %
TiO2	Ka	0.174 Wt %
Al2O3	Ka	1.416 Wt %

Spectra for all conditions



RADIOACTIVITY

U	283 PPM
TH	116 PPM
U + TH	399 PPM

OPAQUE

CERAMICS

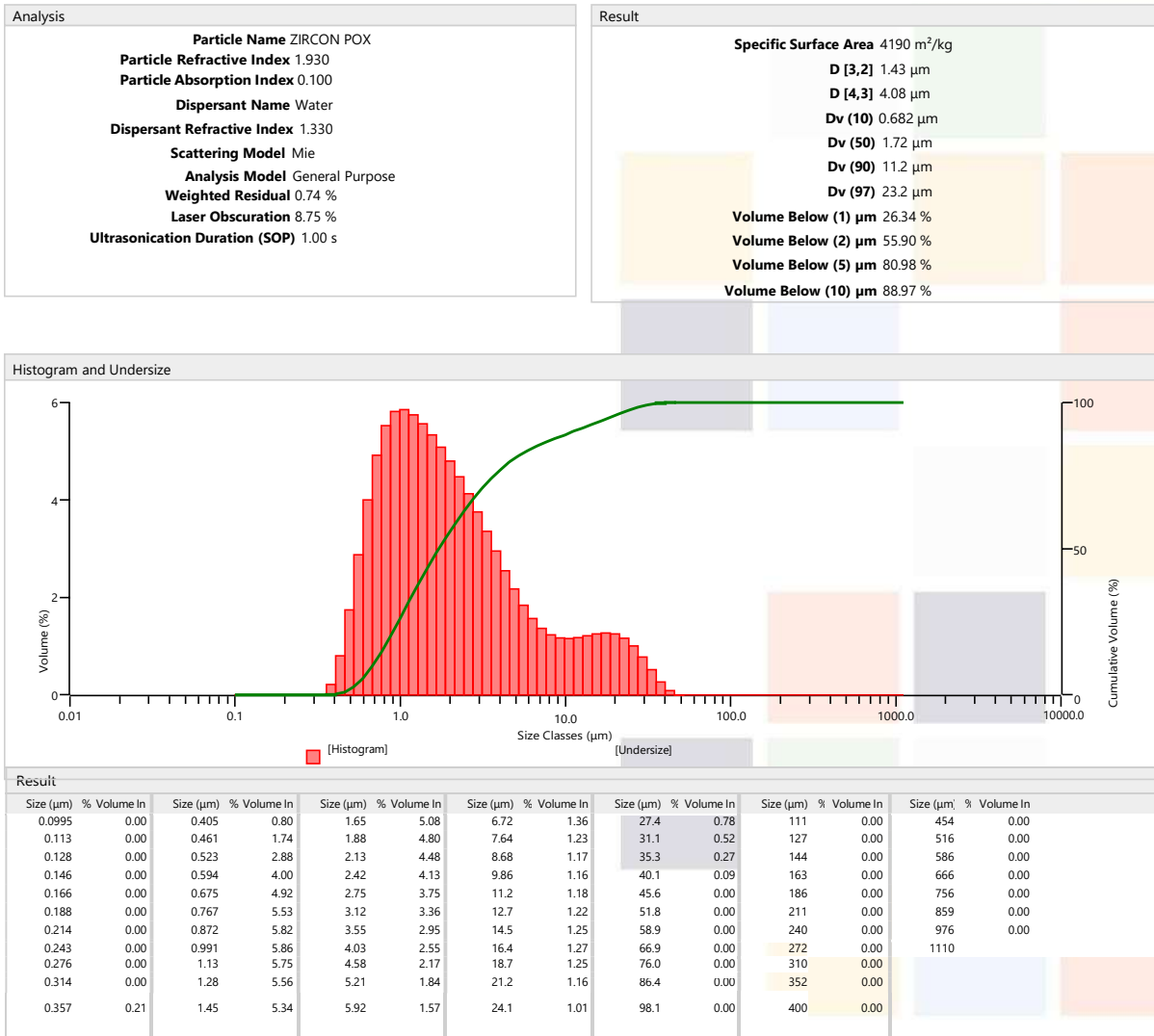
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