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 " ").
 1000 ppm (0,1 . %)
 - 5000 ppm (0,5 . %);
 10000 ppm (1,0 . %).
 (. ZrB₂) -
 (3040 °),
 6,09 / ³. ,
 1000 ° . ,
 ,
 - 1200 ÷ 2400 / ².
 [1] -
 :

$$2\text{ZrO}_2 + \text{B}_4\text{C} + 3\text{C} = 2\text{ZrB}_2 + 4\text{CO} \quad (1)$$

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 8 « », -
 -514 -
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 ().

C

	C	Na	Ca	Fe	Cr	Ni	Cu	Al	Si
ZrO ₂ ,	-	0,0054	0,091	0,007	0,0018	0,001	0,0001	0,004	0,0042
B ₄ C, 8	-	0,0066	0,091	0,33	0,008	0,0036	0,001	0,034	0,027
C, -415	-	0,0046	0,013	0,0041	0,0003	0,0003	0,001	0,0023	0,022
ZrB ₂ ,	0,59	0,0025	0,023	0,16	0,0083	0,0025	0,005	-	0,086
ZrB ₂ ,	0,52	0,02	0,031	0,61	0,026	0,012	0,006	0,006	0,04
	-	0,003	0,007	4,48	0,095	0,044	0,006	0,026	0,01

(, , . 1)

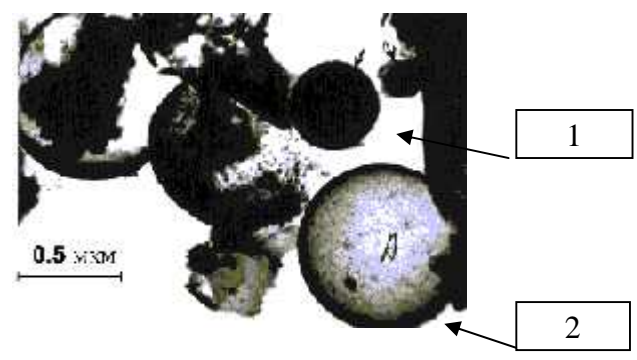
[2].

(100 %),

-500 .

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99 %.



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[3],

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[4].

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[5].

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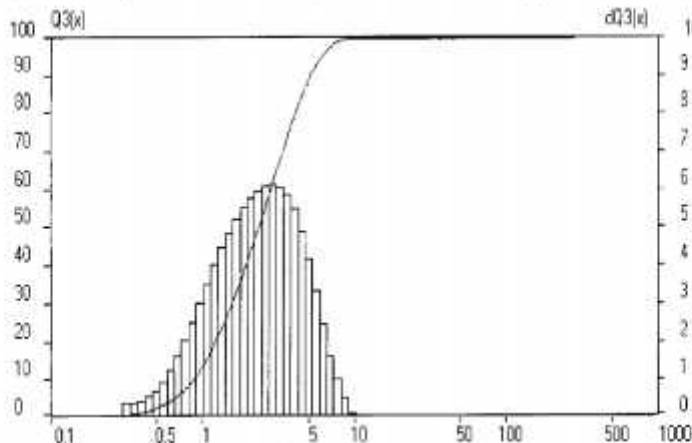
2,7 .

$2,0 \pm 0,2$ ²/ .

Measuring Range	0.31 [μm] - 300.74 [μm]	Pump	100[rpr]
Resolution	62 Channels (17 mm / 114 mm)	Stirrer	3[rpm]
Absorption	7.00 [%]	Ultrasonic	100
Measurement Duration	5 [Scans]		

Interpolation Values... C:\Program Files\la22_32\fritsch\5_100.fpv

10.0 % <=	0.881 μm	20.0 % <=	1.221 μm	30.0 % <=	1.553 μm
40.0 % <=	1.911 μm	50.0 % <=	2.315 μm	60.0 % <=	2.779 μm
70.0 % <=	3.332 μm	80.0 % <=	4.044 μm	90.0 % <=	5.105 μm
97.0 % <=	6.623 μm	100.0 % <=	10.237 μm		

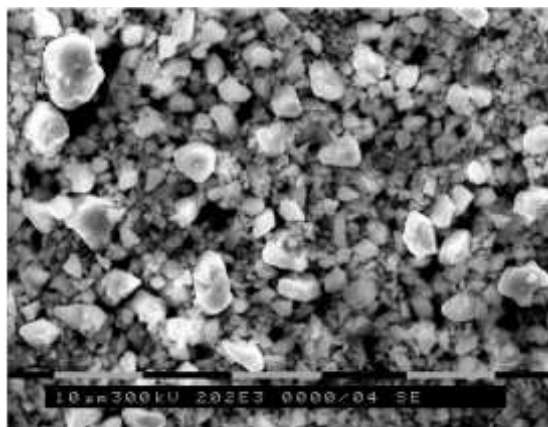


Statistical Means...			
Arithmetic Mean Diameter	2.697 μm	Variance	2.865 μm?
Geometric Mean Diameter	2.194 μm	Mean Square Deviation	1.693 μm
Quadratic Square Mean Diameter	3.179 μm	Average Deviation	1.345 μm
Harmonic Mean Diameter	1.724 μm	Coefficient of Variation	62.767 %

Statistical Modes...			
Skewness	.997	Mode	2.853 μm
Curtosis	.671	Median	2.312 μm
Span	1.823	Mean/Median Ratio	1.166
Uniformity	.57		

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 96 % .
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 1975. 2. . , . - // -
 . 1991. 10. . 17-19. 3. . , . , . -
 . : , 1991. 4. . , . , . //
 . 2005. 12. . 32-34. 5. . , . , . , 1990.

01.10.07

1.	. . , . . , . .	3
2.	. .	8
3.	. . -	15
4.	. . - , ,	21
5.	. .	27
6.	. . , . . , . .	32