Report No: 260512707103

TEST REPORT

Sample: Bioactive Glass Powder 45S5

Client: SHAANXI ALICE BIO-TECH CO., LTD.

Testing Unit: Zhengzhou Haihuai Testing Technology Co. ,Ltd

Testing Category: Client-submitted sample testing

Zhengzhou Haihuai Testing Technology Co. ,Ltd

STATEMENT

1、This report is valid if it is completely stamped with the "Test Center seal",and is invalid if it is not stamped, altered or partially copied.

2、If there is any objection to the report,the client shall submit it to our Company within seven days from the date of receipt of the report.

3、Entrusted information and samples are provided by the client,our company is not responsible for their authenticity,Please ensure that the entrusted information is accurate.

4、The test results are only responsible for this sample,and the company is not responsible for changes in sample quality or other characteristics beyond its control.

5、This report is only used for scientific research,teaching or internal quality control,and does not belong to third-party notarization data.The test data and results do not have a proof role for the society,and cannot be used for trade settlement,security protection,medica and health care,environmental monitoring,resource protection and legal evaluation etc.

Testing Unit: Zhengzhou Haihuai Testing Technology Co., Ltd.

Address: Unit 2, Floor 2, Building 33, Enterprise Park, Dongqing Street, West Fourth Ring Road, High-tech Zone, Zhengzhou City, Henan Province

Laboratory Address: Block E, Building 7, No. 105 Huashan Road, Sanguanmiao Street, Zhongyuan District, Zhengzhou City, Henan Province

Tel: 0371-53620052

Postal Code: 450000

Analysis Test Report

Report No: 260512707103

1、Entrusted Information

Test Information	Test Item	XRD、Laser Particle Size Analysis、ICP-OES/MS
	Instrument	/
	Test Standard	/
	Receipt Time	2026.05.13
	Test Time	2026.05.13~2026.05.15
	Report Time	2026.05.21

2、Sample Information

Sample Information	Sample Name	Bioactive Glass Powder 45S5
	Sample Quantity	1
	Specimen Status	Powder
	Sample Number	/
	Sample Grade	/
	Sample Lot	/

Analysis Test Report

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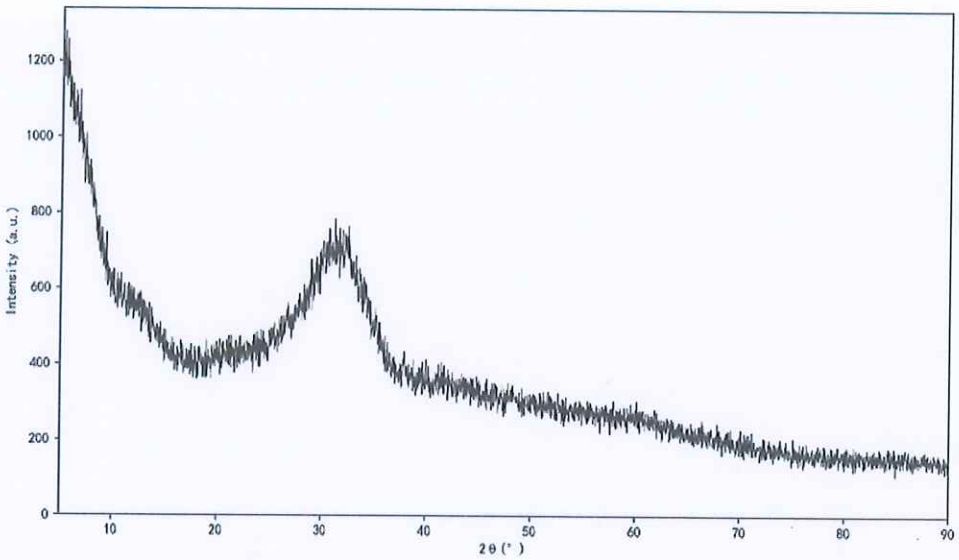
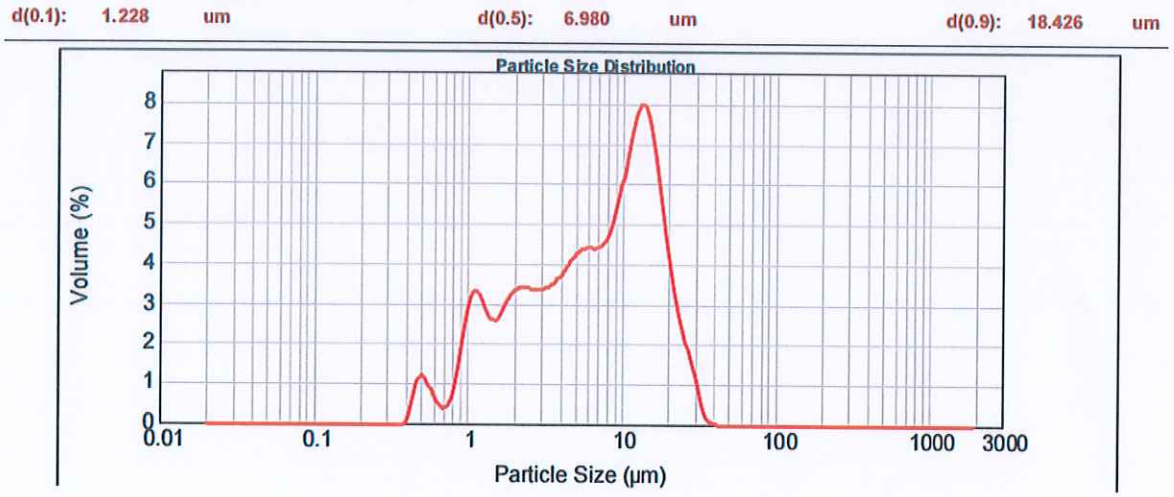
3、Test Results

X-ray Diffraction (XRD):



Laser Particle Size Analysis:



Size (μm)	Volume In %
0.020	0.00
0.023	0.00
0.027	0.00
0.032	0.00
0.037	0.00
0.043	0.00
0.050	0.00
0.059	0.00
0.068	0.00
0.080	0.00
0.093	0.00
0.108	0.00
0.126	0.00
0.147	

Size (μm)	Volume In %
0.147	0.00
0.172	0.00
0.200	0.00
0.233	0.00
0.272	0.00
0.317	0.00
0.370	0.07
0.431	0.99
0.502	1.07
0.586	0.52
0.683	0.45
0.796	1.32
0.928	2.84
1.082	

Size (μm)	Volume In %
1.082	3.30
1.262	2.76
1.471	2.69
1.715	3.18
2.000	3.41
2.332	3.40
2.719	3.37
3.170	3.44
3.696	3.70
4.309	4.10
5.024	4.36
5.857	4.41
6.829	4.46
7.962	

Size (μm)	Volume In %
7.962	4.92
9.283	6.00
10.823	7.35
12.619	8.01
14.713	7.17
17.154	5.30
20.000	3.54
23.318	2.28
27.187	1.30
31.698	0.28
36.957	0.02
43.089	0.00
50.238	0.00
58.573	

Size (μm)	Volume In %
58.573	0.00
68.291	0.00
79.621	0.00
92.832	0.00
108.234	0.00
126.191	0.00
147.128	0.00
171.539	0.00
200.000	0.00
233.183	0.00
271.871	0.00
316.979	0.00
369.570	0.00
430.887	

Size (μm)	Volume In %
430.887	0.00
502.377	0.00
585.729	0.00
682.910	0.00
796.214	0.00
928.318	0.00
1082.339	0.00
1261.915	0.00
1471.285	0.00
1715.392	0.00
2000.000	

ICP-OES:

Sample Mass (g)	Constant Volume V_0 (mL)	Tested Element	Concentration in Solution C_0 (mg/L)	Dilution Factor f	Concentration of Digested Solution C_1 (mg/L)	Element Content in Sample C_x (mg/kg)	Element Content W (%)
0.1176	200.00	Si	12.4482	10	124.482	211703.685	21.170%
0.5351	25.00	Na	3.7986	1000	3798.571	177470.129	17.747%
0.5351	25.00	Ca	3.5859	1000	3585.863	167532.385	16.753%
0.5351	25.00	P	5.5766	100	557.665	26054.241	2.605%

As requested by the client, element contents are converted to oxide contents using the following coefficients:

Tested Element	Element Content W (%)	Converted Oxide	Conversion Coefficient	Oxide Content (%)
Si	21.170%	SiO_2	2.1393	45.29%
Na	17.747%	Na_2O	1.3480	23.92%
Ca	16.753%	CaO	1.3992	23.44%
P	2.605%	P_2O_5	2.2914	5.97%

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Prepared by

Audited by

Approved by

郑州海怀检测技术有限公司 测试中心