

安阳李氏实业有限公司

Anyang Lishi Industrial Co., Ltd

Website: www.lsakminerals.com Tel: +86 15837207537 Email: info@lsakminerals.com

Sample Name LASPAR.00.05G Sample Quantity 200 g
Test Reference GB/T 21114-2019 GB/T 4734-1996 GB/T 23774-2009

Physical Properties of Material

0-5mm 95% pass

Chemical Analysis of Material

Chemical Composition	Fomula	Lab Result	Typical
Loss of ignition	LOI	0.80%	\
Silica	SiO ₂	65.04%	68.80%
Iron	Fe ₂ O ₃	0.52%	\
Alumina	Al ₂ O ₃	21.28%	19.50%
Potash	K ₂ O	1.08%	\
Soda	Na ₂ O	10.48%	11.80%
Calcium Oxide	CaO	0.22%	\
Magnesium Oxide	MgO	0.13%	\
Titanium	TiO ₂	0.14%	\

*These above figures are mean values, do not represent a specification.

Inspector



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Sample Name LASPAR.01.00P Sample Quantity 200 g
Test Reference GB/T 21114-2019 GB/T 4734-1996 GB/T 23774-2009

Physical Properties of Material

	Typical	Unit	Method
>0.15mm	0	%	
D10	25	μm	Laser Diffraction
D50	58	μm	Laser Diffraction
D97	145	μm	Laser Diffraction
D100	150	μm	Laser Diffraction

Chemical Analysis of Material

Chemical Composition	Fomula	Lab Result	Typical
Loss of ignition	LOI	0.59%	\
Silica	SiO ₂	66.82%	68.80%
Iron	Fe ₂ O ₃	0.14%	\
Alumina	Al ₂ O ₃	19.96%	19.50%
Potash	K ₂ O	0.40%	\
Soda	Na ₂ O	11.23%	11.80%
Calcium Oxide	CaO	0.45%	\
Magnesium Oxide	MgO	0.08%	\
Titanium	TiO ₂	0.02%	\

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Sample Name LASPAR.02.00P Sample Quantity 200 g
Test Reference GB/T 21114-2019 GB/T 4734-1996 GB/T 23774-2009

Physical Properties of Material

	Typical	Unit	Method
>0.075mm	0	%	
D10	25	μm	Laser Diffraction
D50	40	μm	Laser Diffraction
D97	65	μm	Laser Diffraction
D100	74	μm	Laser Diffraction

Chemical Analysis of Material

Chemical Composition	Fomula	Lab Result	Typical
Loss of ignition	LOI	0.70%	\
Silica	SiO ₂	66.82%	68.80%
Iron	Fe ₂ O ₃	0.17%	\
Alumina	Al ₂ O ₃	19.62%	19.50%
Potash	K ₂ O	0.39%	\
Soda	Na ₂ O	11.17%	11.80%
Calcium Oxide	CaO	0.69%	\
Magnesium Oxide	MgO	0.08%	\
Titanium	TiO ₂	0.05%	\

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Sample Name LASPAR.03.25P Sample Quantity 200 g
Test Reference GB/T 21114-2019 GB/T 4734-1996 GB/T 23774-2009

Physical Properties of Material

	Typical	Unit	Method
>0.045mm	0	%	
D10	23	μm	Laser Diffraction
D50	30	μm	Laser Diffraction
D97	37	μm	Laser Diffraction
D100	45	μm	Laser Diffraction

Chemical Analysis of Material

Chemical Composition	Fomula	Lab Result	Typical
Loss of ignition	LOI	0.76%	\
Silica	SiO ₂	67.10%	68.80%
Iron	Fe ₂ O ₃	0.15%	\
Alumina	Al ₂ O ₃	19.35%	19.50%
Potash	K ₂ O	0.41%	\
Soda	Na ₂ O	11.17%	11.80%
Calcium Oxide	CaO	0.65%	\
Magnesium Oxide	MgO	0.08%	\
Titanium	TiO ₂	0.03%	\

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Sample Name LASPAR.06.00P Sample Quantity 200 g
Test Reference GB/T 21114-2019 GB/T 4734-1996 GB/T 23774-2009

Physical Properties of Material

	Typical	Unit	Method
>0.023mm	0	%	
D10	10	μm	Laser Diffraction
D50	14	μm	Laser Diffraction
D97	20	μm	Laser Diffraction
D100	23	μm	Laser Diffraction
L*	84.50		Spectrophotometer
a*	2.06		Spectrophotometer
b*	12.57		Spectrophotometer

Chemical Analysis of Material

Chemical Composition	Fomula	Lab Result	Typical
Loss of ignition	LOI	2.20%	\
Silica	SiO2	62.60%	68.80%
Iron	Fe2O3	1.10%	\
Alumina	Al2O3	21.83%	19.50%
Potash	K2O	1.91%	\
Soda	Na2O	8.36%	11.80%
Calcium Oxide	CaO	1.16%	\
Magnesium Oxide	MgO	0.38%	\
Titanium	TiO2	0.26%	\

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Sample Name LASPAR06.00P-1 Sample Quantity 200 g
Test Reference GB/T 21114-2019 GB/T 4734-1996 GB/T 23774-2009

Physical Properties of Material

	Typical	Unit	Method
>0.023mm	0	%	
D10	5	μm	Laser Diffraction
D50	12.5	μm	Laser Diffraction
D97	20	μm	Laser Diffraction
D100	23	μm	Laser Diffraction
L*	94.12		Spectrophotometer
a*	0.05		Spectrophotometer
b*	3.82		Spectrophotometer

Chemical Analysis of Material

Chemical Composition	Fomula	Lab Result	Typical
Loss of ignition	LOI	0.65%	\
Silica	SiO2	66.75%	68.80%
Iron	Fe2O3	0.14%	\
Alumina	Al2O3	19.78%	19.50%
Potash	K2O	0.43%	\
Soda	Na2O	11.21%	11.80%
Calcium Oxide	CaO	0.58%	\
Magnesium Oxide	MgO	0.07%	\
Titanium	TiO2	0.03%	\

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Sample Name LASPAR08.00P Sample Quantity 200 g
Test Reference GB/T 21114-2019 GB/T 4734-1996 GB/T 23774-2009

Physical Properties of Material

	Typical	Unit	Method
>0.019mm	0	%	
D10	2.699	μm	Laser Diffraction
D50	6.926	μm	Laser Diffraction
D90	13.67	μm	Laser Diffraction
D100	15	μm	Laser Diffraction
L*	94.46		Spectrophotometer
a*	0.04		Spectrophotometer
b*	3.71		Spectrophotometer

Chemical Analysis of Material

Chemical Composition	Fomula	Lab Result	Typical
Loss of ignition	LOI	0.51%	\
Silica	SiO2	67.06%	68.80%
Iron	Fe2O3	0.15%	\
Alumina	Al2O3	19.59%	19.50%
Potash	K2O	0.45%	\
Soda	Na2O	11.46%	11.80%
Calcium Oxide	CaO	0.36%	\
Magnesium Oxide	MgO	0.09%	\
Titanium	TiO2	0.03%	\

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Sample Name LASPAR12.50P Sample Quantity 200 g
Test Reference GB/T 21114-2019 GB/T 4734-1996 GB/T 23774-2009

Physical Properties of Material

	Typical	Unit	Method
>0.01mm	0	%	
D10	1.577	μm	Laser Diffraction
D50	3.247	μm	Laser Diffraction
D97	9.438	μm	Laser Diffraction
D100	10	μm	Laser Diffraction
L*	95.71		Spectrophotometer
a*	0.07		Spectrophotometer
b*	3.98		Spectrophotometer

Chemical Analysis of Material

Chemical Composition	Fomula	Lab Result	Typical
Loss of ignition	LOI	0.76%	\
Silica	SiO2	67.10%	68.80%
Iron	Fe2O3	0.15%	\
Alumina	Al2O3	19.35%	19.50%
Potash	K2O	0.41%	\
Soda	Na2O	11.17%	11.80%
Calcium Oxide	CaO	0.65%	\
Magnesium Oxide	MgO	0.08%	\
Titanium	TiO2	0.03%	\

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