



**Contact**  
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## Leader In Industrial Silica Lake Sand Manufacturing

REPRESENTATIVE PRODUCT BLENDS																
<i>(Our blends can be customized to meet client specifications)</i>																
	390	430	460	480	500	520	550	510	455	W-3	W-4	690	W-5	W-7	W-8	
Mesh Size	PERCENTAGE RETAINED PER SIEVE SIZE															
U.S. Sieve Size Analysis	30	5.0%	5.0%	3.5%	2.0%	1.5%	1.5%	0.8%	2.0%	2.2%	0.5%	0.4%	1.0%	0.2%	0.2%	0.0%
	40	25.0%	19.0%	14.5%	10.0%	6.5%	5.5%	2.2%	10.0%	11.0%	4.5%	1.5%	3.5%	1.5%	1.0%	0.2%
	50	50.0%	42.0%	34.5%	31.0%	29.5%	27.0%	24.0%	28.0%	28.0%	16.5%	12.0%	13.0%	7.0%	4.5%	2.0%
	70	15.5%	24.0%	33.0%	37.0%	39.0%	41.0%	46.0%	36.0%	30.0%	34.5%	34.0%	24.0%	23.5%	17.5%	13.5%
	100	4.0%	8.0%	12.0%	17.0%	20.0%	21.0%	23.1%	19.0%	19.5%	31.5%	36.5%	37.0%	47.0%	50.0%	52.0%
	140	0.6%	1.5%	2.0%	2.5%	3.0%	3.5%	3.5%	4.0%	7.5%	11.0%	13.0%	18.0%	18.0%	23.0%	27.5%
	200	0.1%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.8%	1.7%	1.5%	2.0%	3.0%	2.5%	3.5%	4.5%
	270	0.0%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.2%	0.1%	0.2%	0.4%	0.5%	0.3%	0.4%	0.5%
	Pan	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.1%	0.2%	0.1%	0.1%	0.0%
	A.F.S. Grain Fineness	39	43	46	48	50	52	55	51	54	60	65	69	70	75	80

### About Our Company

Since 1912, The Nugent Sand Company has been privately held and known for its high quality customized silica lake sand blends. Our plant in Muskegon, Michigan can produce over 1.5 million tons of sand per year with decades of sand reserves.

website: [www.nugsand.com](http://www.nugsand.com)

### Typical Chemical Analysis

SiO <sub>2</sub>	Silicon dioxide	95.08%
Al <sub>2</sub> O <sub>3</sub>	Aluminum oxide	2.62%
Fe <sub>2</sub> O <sub>3</sub>	Iron oxide	0.19%
TiO <sub>2</sub>	Titanium dioxide	0.03%
CaO	Calcium oxide	0.18%
MgO	Magnesium oxide	0.08%
Na <sub>2</sub> O	Sodium oxide	0.41%
K <sub>2</sub> O	Potassium oxide	1.41%

### Logistics & Packaging

Our plant has both truck and rail capabilities. We ship in bulk loads or packaged in 50 lb, 100 lb, 3,000 lb (super sack) bags.

### Typical Test Results

ADV:	8 Maximum
Clay:	0.25% Maximum
LOI:	0.35% Maximum
Moisture:	0.20% Maximum
PH:	7-8.5
Fusion Point:	2750 F

### Typical Applications

Foundry  
 3-D Foundry/Additive Manufacturing  
 Hydraulic Fracturing  
 Building Products Manufacturing (Roofing, Cement Mortar, Fiberglass)  
 Geothermal Heating and Cooling  
 Golf Courses (Top Dressing, Bunker & Divot)  
 Colored Glass Manufacturing  
 Sand Blasting  
 Volleyball Courts / Play Sand / Equestrian  
 Paint/Coatings Additive