Fertilizers

Lump sulfur

Elemental sulfur for industrial processing

Lump



Material illustration

Technical characteristics

Lump sulphur consists of irregular pieces of solid elemental sulphur. Top size and fines content reflect crushing and the number of transfers.

Property	Reference value	Method or source
Principal constituent	**S**	The Sulphur Institute
Designation	**CAS 7704-34-9**	The Sulphur Institute
S · 9995	**≥ 99.95 %**	ГОСТ 127.1-93
Ash · 9995	**≤ 0.03 %**	ГОСТ 127.1-93
Organic matter · 9995	**≤ 0.03 %**	ГОСТ 127.1-93
H_2SO_4 · 9995	**≤ 0.003 %**	ГОСТ 127.1-93

Grade 9995 of GOST 127.1-93 is the reference profile. Sulfur, ash, organic matter and acidity expressed as H_2SO_4 are reported on a dry basis. Lump size and moisture are specified separately.



Applications

For industrial users equipped for crushing or melting. The hopper opening and feed preparation system determine acceptable top size.



Packaging and receipt

Usually loose bulk with agreed top size. Where bulk bags are used, lump dimensions must suit bag strength and discharge equipment.

For acceptance, check the agreed specification and the certificate of analysis (COA) for the delivered lot.