

# Flotation Concentration of A Complex Barite-Fluorspar Ore.

## s.n - flotation of fluorspar

TABLE I. - Chemical analysis of Illinois fluorspar ore, percent	
Barium sulfate.....	0.6
Calcium carbonate.....	34.9
Calcium fluoride.....	32.4
Calcium magnesium carbonate.....	10.6
Lead sulfide.....	.3
Silica.....	19.5
Zinc sulfide.....	1.3
Other.....	.4
	100.0

Description: -

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Report of investigations (United States. Bureau of Mines) --

6213 Flotation Concentration of A Complex Barite-Fluorspar Ore.

Notes: 1

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### concentration of jigging equipment for barite

The Barite Mineral Processing that HOT Mining offered can make our customer satisfied. The adverse effect observed in nonsulphide systems have been discussed in terms of residual flotation agents including carboxylate collectors, alkyl sulphates and amines all of which reduce selectivity by their relatively unselective adsorption characteristics; and Ca ++ and Mg ++ ions which increase the positive surface charge of the minerals and affect the action of flotation agents functioning by electrostatic mechanism

### Froth floatation process used for the concentration of sulphide ore:

. We provide high-quality and reliable services to our customers by creating a successful partnership with them throughout the construction process.

### flotation of fluorspar

A process of concentrating calcite from ores containing silicious matter, which comprises adding to such an ore an agent selected from the class consisting of free amines obtainable condensing an organic acid having a straight hydrocarbon chain of higher carbon content with an aminoalcohol and the salts of said amines with acids substantially soluble in water, said agent being used in restricted amount causing it to collect silicious matter in preference to calcite; separating in an aqueous pulp a material richer in silicious matter and-poorer in calcite; and to collecting the remaining material as the concentrate.

### process for the flotation of fluorite

The flotation flowsheet of the industrial tests is described in Fig. Upon removal of the non-floated material constituting the finished concentrate , the floated material was retreated in the machine, without further use of reagents.

### Fluorspar Beneficiation Process Plant

The material as received was essentially finer than 6 mesh and assayed 44. The precipitated lignin sulphonate may be further purified by dissolution and re-precipitation, by dialysis, or other methods.

#### **A review of cassiterite beneficiation fundamentals and plant practices**

The undersize may then be deslimed, and the oversize reground, deslimed, and added to the deslimed undersize; or the oversize may be reground, added to the undeslimed undersize, and the whole then deslimed.

#### **Process of concentrating minerals of the class consisting of phosphate, calcite, barite, and fluorspar**

The process of claim 13, wherein quebracho is employed as the tannin extract.

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