

Study on mineral processing technology of a low grade lead-zinc ore

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Abstract: A low grade lead-zinc ore, containing 3.107% Pb and 2.50% Zn, is separated by using selective flotation technology with single-stage grinding (-0.074 mm 66.40%) and conventional reagents of sulphide ore. The test results are as follows: the grade of lead concentrate is 61.58% Pb with the recovery of 87.01% and the grade of zinc concentrate is 48.69% Zn with the recovery of 62.91%.

Key words: lead-zinc ore; selective flotation; lime

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