**Name of the scientific laboratory: Laboratory of Ore Enrichment and Ore Preparation**

1. **Objectives of the scientific laboratory: Preparation of ore materials for use in metallurgy.**
2. **List of laboratory equipment:**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **№**  | **Equipment Name** | **Brief Equipment Description** | **Tasks Performed on the Equipment** | **Year of Manufacture** | **Certification (yes/no)** | **Verification Date** | **Equipment Notes** |
|  | Jaw Crusher | **Receiving opening dimensions:****Length – 194 mm****Width – 110 mm****Dimensions of loaded material chunks – 404040****Particle size of the finished product – 0.5 mm** | Crusher for crushing brittle chunky materials | **2015** | **no** | **11.12.2015** | **no** |
|  | Planetary Mill | **Jar capacity – 1 liter****Number of jars – 4 pcs****Fraction size after grinding – 1-0.2 μm****Jar rotation speed – 90-580 rpm****Impeller rotation speed – 50-320 lb/min** | Mill for fine grinding brittle materials | **2015** | **no** | **11.12.2015** | **no** |
|  | Vibrating Screen | **Diameter of sieving surfaces – 300 mm****Number of sieving elements – 5 pcs****Amplitude of vibrations – 0.25-1.5 mm****Particle size of material – 3 mm** | Continuous dry sieving of bulk materials | **2015** | **no** | **December 2015** | **no** |
|  | Vibrating Sieves | **Frequency of oscillations per minute – 880****Voltage, V – 220 V, single-phase****Power, kW – 0.35** | Sieving bulk materials by fractions | **1985** | **no** | **no** | **no** |
|  | Electronic Scales | **Maximum load – 6 kg****Price of verification divisions and discreteness – 1/2****Weighing intervals – from 0.02 to 6 kg****Permissible error limits – from ±1 to ±6** | Precise determination of sample mass | **2015** | **no** | **30.11.2015** | **no** |

Responsible person: Kulumbayev N.K.

Contacts: Tel. 8(7182)67-36-23, email