



NUESTRA SENORA PROJECT

QUALITY ASSURANCE AND QUALITY CONTROL – QA/QC

All technical information for the Nuestra Senora project is obtained and reported under a formal quality assurance and quality control (QA/QC) program. The procedure for sample collection, processing and analyzing is as follows:

Underground chip channel samples are collected in plastic bags and assigned a sample ticket with a designated number. One sample ticket is placed in the bag and the other retained for reference. The samples are transported to surface, sealed and placed in a sugar sack. They are either stored in a secure location at the mine site or transported to the office in Cosalá.

In the case of drill core samples, the core is logged and selected sample intervals are marked and assigned two sample tickets with a designated number. The core is then split, with one half placed in a plastic bag with one of the tickets and the other half returned to the core box with the other ticket for future reference. The plastic bag is sealed and placed in a sugar sack. They are either stored in a secure location at the mine site or transported to the office in Cosalá.

Generally, every 3 to 4 days the collected channel and core samples are delivered to “Paqueteria, Mensajeria y Movimiento” a courier service located in La Cruz, which ships them to ALS Chemex preparation laboratory in Hermosillo for drying, crushing and pulverizing. ALS Chemex, Hermosillo then sends the pulps by air-freight to ALS Chemex, Vancouver for assaying. The rejects are retained by ALS Chemex, Hermosillo for shipment back to Minera Cosalá. ALS Chemex laboratories are ISO 9002-certified.

All samples are assayed for Au, Ag, Cu, Pb and Zn utilizing ALS Chemex’s ME-GRA21 30-gm fire assay with gravimetric finish and AA62 (HF-HNO₃-HClO₄) acid digestion and AAS for Cu, Pb and Zn. In addition, periodically they are also assayed for 27 other elements by (HF-HNO₃-HClO₄) acid digestion, HCl leach and ICP-AES, package ME-ICP61m. Details of the various assaying techniques may be obtained from the ALS Chemex website at www.alschemex.com.

In addition to the blank standards, reference standards and duplicate analyses performed by ALS Chemex, Scorpio conducts its own data verification by inserting standard and blank samples with the pulps (pulverized samples) that are shipped to ALS Chemex, Vancouver. The Company obtains its low-grade and high-grade Au-Ag-Cu-Pb-Zn sample standards and sample blanks from WCM Sales Ltd. of Burnaby BC.

At regular intervals two pulps are produced from the sample, one is analyzed by ALS Chemex, Vancouver while the other is sent to SGS Lakefield Research in Lakefield, Ont. The assay results of the duplicate samples are then compared as a monitor of lab precision. The sample preparation and analysis flow chart is presented below.

NUESTRA SENORA PROJECT - SAMPLE FLOW CHART

