

Annex B

Coal Quality Parameters

1. For the management of dust emissions
 - Granulometric curve, % fines < 1 mm and < 6.3 mm.
 - Moisture content (contained and surface).
2. For the correct operation of the Mechanical Sampler
 - Sizing nominal: 0 X 50 mm – detained on 50 mm < 5%.
 - Maximum particle size: <100 mm.
 - % of rocks (parting or interburden): <1% with a maximum of 20mm.
 - Hard Grove Index (critical parameter to avoid the abnormal wear of the sampler): >45.
 - No metal contaminant.
3. For accurate operation of the Online Analyzer
 - Proximate analysis (CV, Moisture, Sulfur, Ash) of the cargo to compare with our reference values and settings of the equipment.
4. To ensure the compatibility with the port's material handling systems:
 - Cohesion/Adhesion properties – free flowing – not sticky (observations during unloading will be more relevant than lab reports).
 - Bulk Density: 800 kg/m³ (reduce setpoints for conveying capacity if density is lower).
 - Moisture content: 8-13% weight (free flow from wagons and chutes, steep sloped conveyors).
 - Angle of repose: 37 degrees (belt and stockyard capacity).
 - Lump Size: <50mm (feeders, grids, magnetic separators).
 - Granulometry.
 - Abrasiveness (w&t, extra proportional maintenance time, liners and belt types).
5. For IMSBC Code compliance
 - Transportable Moisture Limit.
 - Moisture content < TML.