

Minimum information for a PMI report

MANIK TRADING technical reference table

Report information	What to record	Why it matters
Item identity and traceability	Line, spool or component number; heat number; tag or marking; and MTC reference	Prevents assigning the result to a different item or heat
Test location	Component type and exact test point, such as pipe body, weld metal, flange or fitting	Defines the area to which the result actually applies
Method and equipment	XRF or OES method; instrument model and serial number; operator identity; test time; and calibration or verification status	Allows the test conditions to be traced and reviewed
Measurement results	Each element, measured value with unit or mass percent, instrument warning or limitation, and reported measurement uncertainty where applicable	Provides the technical basis for alloy comparison
Reference and acceptance criteria	Expected grade or specification, permitted elemental ranges and the decision rule	Prevents acceptance or rejection solely from the instrument's suggested grade name
Result and disposition	Accepted, rejected or requiring retest, with the NCR number and final action when nonconforming	Closes the decision path and prevents use of a nonconforming item

Source / basis: ASTM standards and practices relevant to material verification