Check the lot, unit and reporting basis

REQUEST-1 asks for fictional Property X as mass percent, as supplied, for lot L1. This original exercise defines 1 kilogram as 1,000 grams.

Original record	Supported relationship	Review decision
LAB-1 gives L1, sample S1, Property X at 12 g/kg, as supplied.	The requested lot, property and basis are present.	12 / 1,000 = 0.012, or 1.2 mass percent. Cite LAB-1 and the unit definition.
LAB-2 gives L2, sample S2, 12 g/kg on a dry basis.	Lot and basis differ. The needed basis-conversion input is absent.	The repeated number does not answer REQUEST-1.
DRAFT-3 proposes a lot-reference change with no effective approval.	A proposed correction exists. Its effective status remains unresolved.	Preserve the draft status and request the required evidence.

Write the reviewer key

Score extraction, lot identity, basis, calculation and record status separately. The right final number taken from LAB-2 still fails the source-selection part of this exercise.

Plan an original sample

Operation and model decision _____

Product, sample, property, basis and test condition _____

Independent reviewer and cases held out from training _____

Source owners, permitted use and exclusions _____

Choose the commercial collection

Identify whether the buyer wants operating records, authorized new capture or another agreed source. Confirm the brief before expanding. Keep staged exercises labeled and use specialist review where the task requires it.

NIST polymer measurement context · Plan a sample with Fiund