Technical Data Sheet

Ruthenium Red Salt

CAS No.	11103-72-3
Formula	$[Ru_3O_2(NH_3)_{14}]Cl$
Molar Mass (gm/mol)	786.34
Grade	RM HC 3104
Appearance	Dark Purple to Black
Metal Content	37.5 % to 38.65%
Melting Point (°C)	>500°C (decomposes)

Storage Condition

- Store in a tightly closed container at ambient temperature.

Application

- It has been used since 1890 as a stereoselective stain for pectins, mucilages, and gums in plant materials.,It is used as a contrast agent to visualize the glycocalyx of bacteria and animal cells.