

PRODUCT IDENTITY

PRODUCT NAME	Calcium bromide hydrate	PRODUCT NUMBER	C113752
Grades & Purity	≥98%	VERSION	3
CAS NUMBER	71626-99-8	FORMULA	CaBr ₂ ·xH ₂ O
FORMULA WEIGHT	199.89g/mol		

ACCEPTANCE CRITERIA

PARAMETER	SPECIFICATION / LIMIT
Iron(Fe)	0-10 (ppm)
Heavy metal (as Pb)	0-10 (ppm)
Ca(Complexometric titration)	13.8-19.7 (%)
(As)Arsenic	0-2 (ppm)
Purity(Complexometric titration) (as xH ₂ O)	97.5-102.5 (%)
Chloride (Cl ⁻)	0-1 (%)
pH	6.5-9.5
Insoluble matter in H ₂ O	0-1 (%)
Sulfate(SO ₄ ²⁻)	0-0.02 (%)
oxalate (as SO ₄ ²⁻)	0-0.4 (%)
Appearance (C113752)	white powder and/or chunks

PARAMETER	SPECIFICATION / LIMIT
Barium(Ba)	passes test
Basic salt, free acid	Pass
Bromate, chlorate	Pass
ICP Assay	Confirmed to structure
X-Ray Diffraction	Conforms to Structure
Purity(Titration by AgNO ₃ (calcd.on anh.substance)	97.5-102.5 (%)