

PRODUCT IDENTITY

PRODUCT NAME	Sodium bicarbonate	PRODUCT NUMBER	S112337
Grades & Purity	HPLC grade, ≥99.8%	VERSION	3
CAS NUMBER	144-55-8	FORMULA	NaHCO ₃
FORMULA WEIGHT	84.01g/mol		

ACCEPTANCE CRITERIA

PARAMETER	SPECIFICATION / LIMIT
Purity (T)	99.8-100.2 (%)
UV Absorbance 260nm	0-0.02
Absorbance (at 250 nm)	0-0.04
UV Absorbance 280nm	0-0.01
UV Absorbance 240nm	0-0.1
UV Absorbance 500nm	0-0.01
Appearance (S112337)	White powder
pKa	6.8
RP gradient test	pass test
Solubility in H ₂ O , Colorless transparent , 0.1 g/mL	pass

PARAMETER	SPECIFICATION / LIMIT
X-Ray Diffraction	Conforms to Structure
λ , 10% in H ₂ O	Pass