

TECHNICAL DATA SHEET – 5A NOVASIL

Chemical formula :	95% NaHCO ₃ , 5% Zeodent 114 silica	
Grade	Mixture of sodium bicarbonate food grade EF (N° CAS : 144-55-8 N°EINECS : 205-633-8) and Zeodent 114 silica (N°CAS : 7631-86-9 N°EINECS : 231-545-4)	
Appearance	White crystalline powder	
Identification	Conform to the European Pharmacopoeia 4th edition and to USP 23	
Chemical analysis	Specifications	Typical analysis
Na ₂ CO ₃ in %	≤ 1	0.52
pH test	≤ 8.6	8.09
Loss on drying	≤ 0.25	0.1
Chloride (Cl ⁻) en mg/kg	≤ 150	44
Sulphate (SO ₄ ²⁻) en mg/kg	≤ 150	45
Arsenic in mg/kg	≤ 2	≤ 0.1
Calcium in mg/kg	≤ 100	56
Iron in mg/kg	≤ 20	3.4
Heavy metals in mg/kg	≤ 5	No detected
Particle size (EF bicarbonate data)	Specifications	Typical analysis
Cumulative fraction retained at 180 µm in %	-	-
Cumulative fraction retained at 150 µm in %	≤ 1	0
Cumulative fraction retained at 45 µm in %	≥ 10	40
Packaging and delivery	<ul style="list-style-type: none"> • Packaging in 25 kg paper bags on shrink wrapped pallet or bulk bags 1.0 metric T on pallet. 	
Storage	<ul style="list-style-type: none"> • 5A NOVASIL can be sensitive to hydration with caking when exposed to humidity. • After six months of storage, there are risks of caking. Store in cool and dry place. • The stacking of pallets is inadvisable. 	
Uses	Toothpaste additive.	
Reference : FTNOVASIL5A01-GB	Versus n°1	January 200 4