

Calcium Polystyrene Sulphonate

Active Pharmaceutical Ingredient

Principal Application:

- Treatment of Hyperkalemia

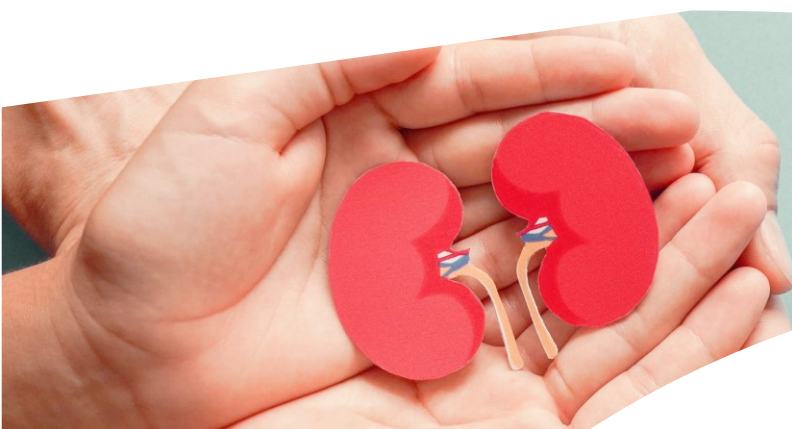
Typical Physical & Chemical Characteristics	
Appearance	A cream to light brown fine powder, free from any foreign particles.
Odour	No specific odour
Ionic Form	Calcium (Ca ⁺⁺)
Assay for Calcium	Contains not less than 6.5% w/w and not more than 9.5% w/w of calcium
Functional Group	- SO ₃ ⁻ (Sulphonic)
Heavy Metal Content as Pb	NMT 10 ppm
Arsenic as As	Max 1 ppm
Loss on Drying	NMT 8% w/w
Particle Size	NMT 1 % retained on 150 µm sieve (100 BS)
Sodium Contents	NMT 0.1%
Potassium Content	NMT 0.1%
Potassium exchange capacity	Each gram exchanges NLT 1.3 mEq and NMT 2.0 mEq of potassium calculated on dried basis.
Solubility	Practically insoluble in water and in ethanol (96%)
Styrene	NMT 1 ppm

Packaging:

25 kg and 50 kg Fibre Drum

Documents Available:

CEP, DMF



Full Range of Pharmaceutical Polymers

Speciality Polymers	Active Pharmaceutical Ingredients	Ready Mix & Ready to Use
P-520 (Vitamin C Purification)	P-548 (Calcium Polystyrene Sulfonate BP/ JP)	P-542 AB (R)
P-535 (Separation of Aminoacids, Enzymes & Alkloids)	P-504 (Sodium Polystyrene Sulfonate USP/ EP)	Azithromycin Taste Masked (7.5%)
P-545 8X (Dextromethorphan Polistirex Manufacturing)	P-550 (Cholestyramine Resin USP / EP)	

Taste Masking	Tablet Disintegration	Control / Sustained Release
P-551 (Polacrilex Resin USP)	P-544 DS (Polacrillin Potassium USP)	P-504 (Sodium Polystyrene Sulfonate)
P-514 (Methacrylic Acid Polymer with Divinyl Benzene & Acrylic Acid)	P-544 D (Polacrillin Potassium USP)	P-550 (Cholestyramine)
P-542 (Methacrylic Acid Polymer with Divinyl Benzene & Acrylic Acid)	P-544 DB (Polacrillin Potassium)	
P-542 AB (Methacrylic Acid Polymer with Divinyl Benzene & Acrylic Acid)		
P-542 CP (Methacrylic Acid Polymer with Divinyl Benzene & Acrylic Acid)		
P-542 D (Methacrylic Acid Polymer with Divinyl Benzene & Acrylic Acid)		
P-544 R (Methacrylic co-Polymer with divinyl benzene)		
P-544 DS Cipro (Potassium Salt of Weak Acid Cation Resin)		
P-544 C (Methacrylic acid Polymer with Divinyl Benzene and Acrylic acid, Potassium Salt)		



doshion[®]
Translating Source Into Resource

Doshion Poly Science Pvt. Ltd.

Building Number: 9 – 10, Sigma Corporates,
Off. Sindhu Bhavan Road, Ahmedabad – 380054, Gujarat, India

+91 079 – 4800 7766 | polymers@doshion.com | www.doshionpoly.com

