



Kyron is derived from cross-linked polymer used in pharmaceutical for test masking of bitter drug.

Types of Kyron

(1) KYRON-T-104 :

It has carboxylic acid functionality which enables its use as a TASTE MASKING AGENT, while the crosslinked porous nature makes its suitable as a SUSTAINED RELEASE AGENT.

(2) KYRON-T-114 :

It has carboxylic acid functionality which enables its use as a TASTE MASKING AGENT.

Typical Specification :

Appearance	White to off white free flowing powder	Polymeric Functional Group	Carboxylic Acid
Solubility	Insoluble in water & common solvents		
Moisture Content	10% max		
Particle size	1% max retained on 100 BSS & 70% min passing through 200 BSS		

(3) KYRON-T-134 :

It has derived from crosslinked polymer of acrylic acid & has a K⁺ ionic form & use in pharmaceutical formulations for TASTE MASKING of certain drugs particularly B-lactum antibiotics.

(4) KYRON-T-314 : It is derived from crosslinked polycarboxylic acids & has K⁺ ionic form & use in pharmaceutical formulations as a TABLET DISINTEGRANT in the oral dosage formulations.

Typical Specification :

Appearance	White to off white free flowing powder	Polymeric Functional Group	Carboxylic Acid
Solubility	Insoluble in water & common solvents	Potassium Content	20.6 to 25.1%
Moisture Content	10% max		
Particle size	1% max retained on 100 BSS & 70% min passing through 200 BSS		

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(5) KYRON-T-154 :

It is derived from crosslinked polymer of styrene & divinyl benzenes & has sulphonic acid functionality which enables its use as a TASTE MASKING AGENT, while the crosslinked porous nature makes it suitable as a SUSTAINED RELEASE AGENT.

Typical Specification :			
Appearance	Off White to golden yellow free flowing powder	Polymeric Functional Group	Sulfonic Acid
Solubility	Insoluble in water & common solvents	Ironic Form	Na +
Moisture Content	10% max		
Particle size	1% max retained on 100 BSS & 70% min passing through 200 BSS		

Applications :

(1) Kyron is used in pharmaceutical for preparing taste masking of bitter drug. For, this bitter drug can make complex with Kyron polymer and gives masking the bitter drug in mouth but it dissociates in the acidic pH of the stomach without affecting the bioavailability of the drug.

(2) Kyron is used in pharmaceutical for manufacturing the sustained release product. It gives crosslinked porous polymer facilities sustained release of the drug.

(3) KYRON-T-314 : It has a very high swelling tendency on hydration either in contact with water or G.I. Fluid causing very fast disintegration without the formulation of lumps and thus acts as an effective TABLET DISINTEGRANT.

Few of the advantages over other conventional tablet disintegrants are as under : Rapid Disintegration

- Elimination of lump formulation
- Compatibility with other therapeutic agents & excipients
- Imparts excellent strength to the tablet and eliminates the sticking to the dies and punch.
- Required quantity is from 0.5 to 4.0% to get this property.

Note : Application notes & MSDS sheet can be made available on request.

For more Technical detail, contact ...



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