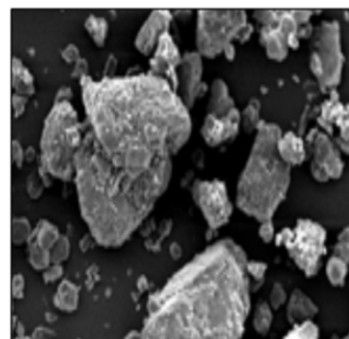




## DiCom SANAQ<sup>®</sup> LS 004 Lactose & Starch

DICOM SANAQ LS 004 (Maize Starch USP / Lactose Monohydrate USP)	
<b>Chemical Name</b>	Maize Starch - 15% Lactose Monohydrate - 85%
<b>Chemical Description</b>	Lactose monohydrate with Maize starch
<b>CAS Number</b>	64044-51-5 / 9005258
<b>DMF – FDA (USA)</b>	D32957 Type IV
<b>GMP standard</b>	ISO 9001-2015, WHO GMP, <u>EXCiPACT</u> (in progress)



Tests	Specification	Results
Bulk density (g/mL)	INH	0.663
Tapped density (g/mL)	INH	0.840
Hausner's ratio	INH	1.27
Compressibility index (%)	INH	21.05
LOD (105 OC – 3h)	NMT 3.0 %	2.30
Angle of repose(°)	INH	36.22
PSD (Malvern mastersizer)	INH	D(10) =34.1 D(50)=243 D(90)=583

DICOM SANAQ LS 004 have average particle size of 300 – 550 microns.

It is a combination of Lactose Monohydrate and Starch (maize). Lactose is water loving and soluble in water, at high compression force it hampers disintegration. Starch has multifunction characters and act as binder as well as disintegrant. Starlose has optimized composition of these two ingredients.

It's a unique product used as a filler for tablets and capsules; with,

- Uniform drug distribution
- Content uniformity
- Better compressibility as it contains suitable proportion of fines
- Reduced weight variation
- And higher production rates.
- Choice of higher average weight
- Robust tablet with reduced friability

High bulk density makes this product suitable to formulate high tablet weight / capsule fill weight in smaller die / capsule size respectively.

### Supplier

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