



# SIGACHI INDUSTRIES PVT.LTD.

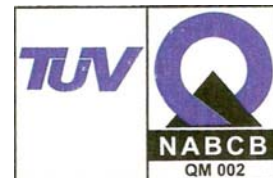
**AN ISO 9001-2008 and WHO GMP, HACCP CERTIFIED COMPANY**

No.229/1 & 90, 4th Floor, Kalyan's Tulsi Ram Chambers,  
Madinaguda, Hyderabad – 500 049, India

Phone Nos. +91 40 40114874 / 75 / 76 Fax No: + 91 40 40216248

Email : [mktg@sigachi.com](mailto:mktg@sigachi.com); [info@sigachi.com](mailto:info@sigachi.com) ;

[URL:www.sigachi.com](http://URL:www.sigachi.com)



Page 1 of 2

## MCC GRADES

S.No	Grades	Description	Main Applications
1	HiCel 50M	MCC 101	Fine Standard MCC Grade, especially suited for wet granulation, roller compaction & spheronisation. Very high compatibility.
2	HiCel 90M	MCC 102	Medium size standard MCC grade, suited for majority of the direct compressible actives. Combines good flow and high compatibility.
3	HiCel LM 50	Low moisture MCC 101	Equal quality as grade 101/50M, but with very low moisture content (<1.5%) for processing water sensitive actives.
4	HiCel 25M	MCC 105	Very fine grade, gives a pleasant mouth feel, masks bitter tastes & supports flavors.
5	HiCel XLM 90	Low moisture MCC 102	Equal to grade 102/90M, but with very low moisture content (<1.5%) for processing water sensitive actives.
6	HiCel LP 200	MCC 200	Coarse grade MCC, combines good compatibility & high binding capacity with outstanding flow. Provides good content uniformity at low weight variation –even when used with low concentration of fine actives.
7	HiCel 12	MCC 12	Coarse grade MCC, combines good compatibility & high binding capacity with outstanding flow, provides good content uniformity at low weight variation –even when used with low concentration of fine actives.
8	HiCel HD50M	High BD MCC 101	Equal as grade 101, but with higher Bulk density & improved flow properties.
9	HiCel HD90M	High BD MCC 102	Equal to grade 102/90M, but with increased bulk density and improved flow properties. Especially suited for high speed tableting and processing high density actives.
10	HiCel 14	Low moisture MCC 12	Equal to Grade 12, but with low moisture content (<1.5%) for processing water sensitive actives.
11	HiCel XLM 200	Low moisture MCC 200	Equal quality to grade 200/LP200, but very low moisture content (<1.5%) for processing water sensitive actives.
12	AceCel 101	MCC 101	Fine Standard MCC Grade, especially suited for wet granulation, roller compaction & spheronisation. Very high compatibility.
13	AceCel 102	MCC 102	Medium size standard MCC grade, suited for majority of the direct compressible actives. Combines good flow and high compatibility.
14	AceCel 103	Low moisture MCC 101 (LOD NMT 3.0%)	Equal quality as grade 101/50M, but with low moisture content (<3.0%) for processing water sensitive actives.
15	AceCel 105	MCC 105	Very fine grade, gives a pleasant mouth feel, masks bitter tastes & supports flavors.
16	AceCel 112	Low moisture MCC 102	Equal to grade 102/90M, but with very low moisture content (<1.5%) for processing water sensitive actives.
17	AceCel 113 (XLM 50)	Low moisture MCC 101 (LOD NMT 1.5%)	Equal quality as grade 101/50M, but with very low moisture content (<1.5%) for processing water sensitive actives.



# SIGACHI INDUSTRIES PVT.LTD.

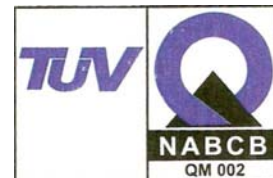
**AN ISO 9001-2008 and WHO GMP, HACCP CERTIFIED COMPANY**

No.229/1 & 90, 4th Floor, Kalyan's Tulsi Ram Chambers,  
Madinaguda, Hyderabad – 500 049, India

Phone Nos. +91 40 40114874 / 75 / 76 Fax No: + 91 40 40216248

Email : [mktg@sigachi.com](mailto:mktg@sigachi.com); [info@sigachi.com](mailto:info@sigachi.com) ;

[URL:www.sigachi.com](http://URL:www.sigachi.com)



Page 2 of 2

## MCC GRADES

S.No	Grades	Description	Main Applications
18	AceCel 200	MCC 200	Coarse grade MCC, combines good compatibility & high binding capacity with outstanding flow. Provides good content uniformity at low weight variation –even when used with low concentration of fine actives.
19	AceCel 301	High BD MCC 101	Equal as grade 101, but with higher Bulk density & improved flow properties.
20	AceCel 302	High BD MCC 102	Equal to grade 102/90M, but with increased bulk density and improved flow properties. Especially suited for high speed tableting and processing high density actives.
21	AceCel 12	MCC 12	Coarse grade MCC, combines good compatibility & high binding capacity with outstanding flow, provides good content uniformity at low weight variation –even when used with low concentration of fine actives.
22	HiCel MCG 501	MCC + CMC	Gelling agent for "ready to use" applications prepared with high shear forces.
23	HiCel MCG 581	MCC + CMC	High functionally gelling agent for all type of suspensions and emulsions.
24	HiCel MCG 591	MCC + CMC	High functionally gelling agent for all type of suspensions and emulsions.
25	HiCel MCG 611	MCC + CMC	Gelling agent for reconstituable dry suspension requires low shear forces.
26	HiCel SMCC 50 M	MCC + Silicon Dioxide	Superior Physico-mechanical properties that may be of advantage in hard gelatin capsule formulations.
27	HiCel SMCC 90 M	MCC + Silicon Dioxide	Superior Physico-mechanical properties that may be of advantage in hard gelatin capsule formulations.
28	HiCel SMCC LM 90 M	MCC + Silicon Dioxide	Equal to grade SMCC 90M, but with very low moisture content (<1.5%) for processing water sensitive actives.
29	HiCel SMCC HD 90	MCC + Silicon Dioxide	Superior Physico-mechanical properties that may be of advantage in hard gelatin capsule formulations.
30	HiCel HFE 50 M	MCC + Mannitol	Addition of mannitol in the MCC formulation increased compatibility of the final granulation.
31	HiCel HFE 90 M	MCC + Mannitol	Addition of mannitol in the MCC formulation increased compatibility of the final granulation.
32	HiCel DG	MCC + DCP	Superior compactibility and robustness.
33	HiCellac 80	MCC + Lactose monohydrate	Good compactibility, flowability, Hardness & Uniformity of Dosage
34	HiCellac 100	MCC + Lactose monohydrate	Good compactibility, flowability, Hardness & Uniformity of Dosage
35	HiCel CE 15	MCC + Guar gum	Provides creamier mouth feel, smoother & less chalkiness. Reduce friability and increase disintegration.

**Note:**

**HiCel** - spray dried MCC, premium quality with excellent flow properties for direct compression.

**AceCel** - Air stream dried MCC is a cost effective product for a wide range of applications.