



Shaoxing Kangke capsule co.,Ltd

——Enteric HPMC

腸溶性HPMCカプセル

本资料为康可内部交流资料，未经本公司批准严禁任何人复制、分发或者采取任何方式为第三方所用

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Introduction of enteric capsule

腸溶性HPMCカプセル

Enteric HPMC capsule 肠溶植物胶囊



Disintegration

Simulated gastric fluid TS-PH1(37 ° C):

After 2 hour, no evidence of disintegration.

Simulated intestinal fluid TS-PH6.8(37 ° C):

Disintegrate less than 1 hour.

崩解时限:

模拟胃酸溶液PH=1 (37 ° C) , 2小时内不崩解不漏液;

模拟肠道溶液PH=6.8 (37 ° C) , 1小时内崩解释放。

Enteric HPMC capsule is the exclusive product of Kangke, and it has been large-scale production by Kangke. The enteric HPMC can match the probiotics and enzymes perfectly, the greatest advantage of Kangke enteric HPMC is that it don't disintegrate in the stomach, so it can protect the probiotics and keep them living when they go into the intestinal tract.

肠溶植物胶囊是康可胶囊的独家产品，并已规模化生产。肠溶植物胶囊能完美匹配益生菌和活性酶，它在胃酸中不崩解，能有效保护益生菌不被胃酸破坏，使益生菌存活状态进入肠道被吸收。

模擬胃液 TS-PH1(37°C)
2時間後、崩壊の形跡無し

模擬腸液 TS-PH6.8(37°C)
1時間以内に崩壊

腸溶性HPMCカプセルはKangkeの独占製品で、Kangkeが大規模に生産している。プロバイオティクスと酵素を調和させることができる。最大の利点は、胃の中で崩壊しないので、プロバイオティクスを保護し、腸に入っても生き続けることができます。



比較

Compare the differences



The difference between our enteric HPMC and anti-acid HPMC on the market :

Simulated gastric fluid TS-PH1(37 °C):

After 2 hour, **enteric HPMC** will be no evidence of disintegration. So it can protect the contents from the damage of gastric acid.

Anti-acid HPMC will disintegrate within 1 hour. So it only has a slow-release effect.

当社の腸溶性HPMCと市販の抗酸性HPMCの違い

【腸溶性カプセル】

模擬胃液TS-PH1(37°C):

2時間後、腸溶性HPMCは崩壊した形跡がない。胃酸の害から内容物を保護することができる。

【市販品】

抗酸性HPMCカプセルは1時間以内に崩壊する。ゆっくり溶けるだけである。



Contrast data



デュポン社による3年間にわたる腸溶性HPMCの安定性調査

Thanks to DuPont for 3 years of systematic stability investigation of our enteric HPMC.

異なるカプセル中のプロバイオティクスの生存率

The survival rate of probiotics in different capsules

カプセルタイプ The types of capsules	模擬胃液中での崩壊時間 Disintegration time in simulated gastric fluid TS-PH1(37 °C)	胃酸中での生存率 Survival rate in gastric acid(in stomach)	腸管内での生存率 Survival rate in intestinal tract
Kangkeの腸溶性カプセル Kangke Enteric HPMC	崩壊無し Don't disintegrate	100% 100% (No leakage in the solution)	50%
抗酸性カプセル Anti-acid capsule	35min	1.10%	0%
HPMCカプセル HPMC	3min	6.90%	0%
ゼラチンカプセル Gelatin capsule	3min	9.30%	0%

We can see from the data table, **Kangke enteric HPMC** can prevent the probiotics from being destroyed by the gastric, and keep them living when they go into the intestinal tract.

Kangkeの腸溶性カプセルはプロバイオティクスを胃酸から守り、腸まで届けます。

【証書】

IV

Certification



FDA



DMF

绍兴康可胶囊有限公司

Shaoxing Kangke Capsule Co., Ltd



Specification

Product Name	Enteric HPMC	Size	0#
Self life	2 years	Color	clear
Quantity per carton	100000pcs	Carton size	60*40*75cm
Composition	Hypromellose, FDA-complied coating material, Purified water, gellan gum,		
Test items	Standard		
Description	Cylindrical, hard, elastic empty capsules, which consist of telescoping cap and body pieces. Capsules should have a clean, smooth, uniformly colored surface, odourless, well trimmed and shaped without deformation. It could be transparent, half transparent and opaque.		
Compactness	Powder leakage≤1 particle		
Friability	Ruptures≤2 particles		
Disintegration time	Simulated gastric fluid TS-PH1(37 °C): After 2 hour, no evidence of disintegration. Simulated intestinal fluid TS-PH6.8(37 °C): Disintegrate less than 1 hour.		
Sulfite	Complies with the requirements		
Loss on drying	3.0%-10.0%		
Residue on ignition	Transparent ≤2.0% semitransparent ≤3.0% opaque ≤5.0%		
Arsenic (As)	≤1.5ppm		
Cadmium (Cd)	≤0.5ppm		
Lead (Pb)	≤1ppm		
Mercury (Hg)	≤0.1ppm		
Microbial limit	Bacteria:≤1000cfu/g Moulds and yeasts:≤100cfu/g E.coli: Absent Staphylococcus aureus: Absent		