



Chemlink Specialities



HARKE GROUP

Veterinary Pharmaceutical Ingredients



Pharma

YOUR BENEFITS

- ▶ Excipient Expertise
- ▶ Laboratory Facilities
- ▶ Technical Led Approach
- ▶ Operating Across UK and Ireland

YOUR DOSAGE FROM EXPERTS

galenIQ™ - by Beneo

Improved Drug Efficacy

Improving the taste of oral solid dosage form is critical to acceptance and can be especially challenging for the veterinary sector, with APIs often producing a very bitter taste. Resolving this challenge is important to ensure oral solid dosage are well-accepted by animals, and also easy to administer for veterinary professionals and animal owners.

galenIQ™ is a highly functional filler-binder which stands out for its well-balanced sweetness to mask the unpleasant taste of APIs and plant extracts.

KEY BENEFITS

- Direct compression grades
- Chemically stable
- Water soluble
- High flowability
- Well-defined particle size distribution
- Sugar-free but with a natural sugar-like taste (suitable for diabetics)
- galenIQ™ can be used in virtually all oral pharmaceutical formats

Metolose® SR - by Shin-Etsu

Improved Drug Efficacy

METOLOSE® SR is designed exclusively for a hydrophilic matrix agent and can be used as a binder for solid dosage forms such as tablets and granules. The hydrophilic matrix system is the simplest sustained-release technology for oral dosage forms, consisting essentially of a drug and a water-soluble, highly viscous polymer.

Sustained release medication has important benefits for veterinary medicinal applications, potentially reducing the volume of drugs administered, maintaining therapeutic window more easily, and helping manage a more constant plasma level.

KEY BENEFITS

- Sustained release
- Maintaining a constant plasma level
- Easy preparation and cost efficient
- Hydrophilic matrix system offers high reproducibility
- Suitable for direct compression and wet granulation
- Highly consistent product quality

Primsolv sMCC 90 - by Chemfield Cellulose

Improved Manufacture

Microcrystalline Cellulose, also known as MCC, is a chemically inert powder made from refined wood pulp, commonly used in tablets as an excipient. Primsolv sMCC 90 is a superior quality MCC which improves manufacturing efficiencies, resulting in improved consistency and reduced manufacturing costs.

Typically premium MCCs are used in human application; however, via improved manufacturability, Primsolv sMCC 90 is a great option for veterinary tablet manufacture.

KEY BENEFITS

- Excellent flowability and tableability
- Reliable product consistency
- Reduced tablet surface area
- Product meets the standards specified by global pharmacopeia such as USP, Ph. EUR, BP, JP and IP



mPEGs - by Clariant

Improved Drug Efficacy

Clariant's superior range of Pharma GMP grade Polyethylene Glycols work across the following applications: peg-lipids, activated-pegs, peg-linkers, and pegylated polymers.

These mPEGs are typically used as a starting raw materials for further conjugation with a lipid to develop PEG-lipids which are used in liposomal formulation or in the development of activated PEGs for Pegylation of proteins or in the conjugation with linkers for ADCs etc.

KEY BENEFITS

- Wide variety of grades available based on molecular weight
- Higher molecular weights could be developed on custom basis
- Good solubility in water
- Very low water content
- Compatible with hard water
- Non-volatile
- Outstanding toxicological safety
- Good biodegradability

AQOAT® - by Shin-Etsu

Improved Drug Efficacy

Hypromellose acetate succinate (HPMCAS) is a non-toxic enteric coating material that can be used in aqueous or organic media. Based on hypromellose, acetyl and succinoyl groups are introduced to the hydroxyl groups of the backbone, resulting in a multi-functional enteric coating which can also increase solubility of poorly soluble drugs.

AQOAT® is a good option for many veterinary drugs, allowing for: taste-masking, delayed release, and improved solubility. It is available in a variety of grades with different particle sizes and chemical substitution levels.

NB: THIS IS NOT APPROVED FOR USE IN ANIMAL FEEDS
OR MEDICATED ANIMAL FEEDS

KEY BENEFITS

- Increases the solubility of poorly water soluble drugs
- 9 grades available for a variety of applications
- Suitable for hot melt extrusion, spray drying, and co-precipitation
- Can be used for taste-masking, enteric/delayed release coating and in solvent free methods

Rose Talc Micro ACE P-3 - by Nippon Talc

Improved Manufacture

Based on the Japanese Pharmacopeia, Rose Talc and Micro ACE P-3 pharma grade talc is manufactured from carefully selected and purified material selected for use as a tablet excipient and lubricant.

Talc is a popular ingredient for pharmaceutical formulation, but can be challenging to work with. Micro ACE P-3 shows improved performance and flowability, and requires lower inclusion levels thanks to its physical qualities.

KEY BENEFITS

- Opacifying properties
- Whiteness of 95%
- Higher surface area leading to lower talc inclusion levels in coating formulations
- Free from asbestos
- Suitable alternative to Titanium Dioxide
- No black spots
- Reduced dust generation compared to other talcs





VETERINARY PHARMACEUTICAL INGREDIENTS

UK and Ireland

A	Ibuprofen Pellets	Primecel™
AQUAGOLD (Aqueous Shellac Solution)	Isomalt	
C	M	S
Capsules (Gelatine, HPMC)	Macrogol	Shellac
Cellets® (MCC Spheres)	Methylcellulose	SSB® AQUAGOLD
Cellulose Derivatives	METOLOSE® SH	SSB® Pharma
Chemical™	METOLOSE® SM	Sucrose Behenate*
Copovidone	Microcrystalline Cellulose	Sucrose Laurate*
Crosslinked PVP	MOISTCARM	Sucrose Oleate*
Crospovidone		Sucrose Palmitate*
D	N	Sucrose Stearate*
DiSPERZISTA	Neutral Pellets	Sugar Free Pellets
G	P	Sugar Pellets
galenIQ™	PEG	
H	PEO-NF	T
Hydroxypropyl Methylcellulose	PHARMACOAT®	Talc
Hypromellose	Polyethylene Glycol	TAP® Pellets
	Polyethylene Oxide (PEO)	Tartaric Acid Pellets
	Polyvinylpyrrolidone (PVP)	TYLOPUR®
I	Povidone	X
Ibuprofen DC	Preservatives	Xylitol Pellets

*Ireland only

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