

EUDRAGIT[®] E PO ReadyMix

Taste masking and moisture protection
for immediate drug release have never
been easier



Eudragit[®]



Achieve superior quality for your protective coatings and save production costs

Masking the taste and odor of tablets and particles with immediate drug release is now easier than ever with EUDRAGIT® E PO ReadyMix.

The powder blend, custom-made to your requirements, comes ready to use and saves you time and money without sacrificing the quality of your coatings.

The "ReadyMix" is always customized to integrate your desired pigments or other excipients, ensuring batch to batch consistency and perfect color reproducibility.

The coating suspension can easily be prepared by only adding water.

The preparation time for the coating suspension is:

- Approx. 30 minutes with a high-shear mixer
- Approx. 60 minutes with a propeller mixer

Preparation times can be even further reduced if required by using warm water.

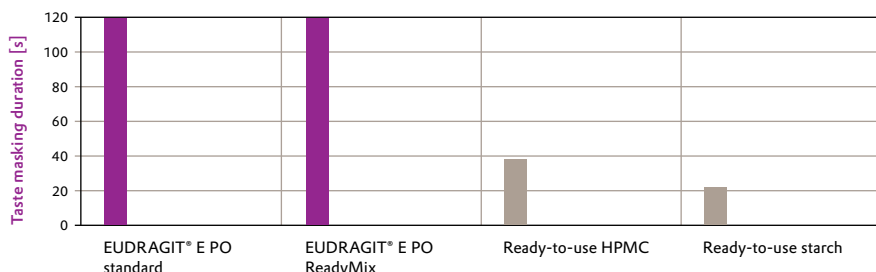


The spraying process can be performed in the same convenient manner as other aqueous EUDRAGIT® coatings. The low process temperature can be an advantage when processing sensitive actives.

Furthermore, it protects the dosage form from moisture and light without causing any delay in drug release. Once the tablet reaches the stomach, the coating immediately dissolves and releases the active.

EUDRAGIT® E PO ReadyMix powerfully masks the taste and odor of actives and excipients because the functional polymer is insoluble in the mouth and in water (Figure 1).

Figure 1: Taste masking of coated paracetamol tablets

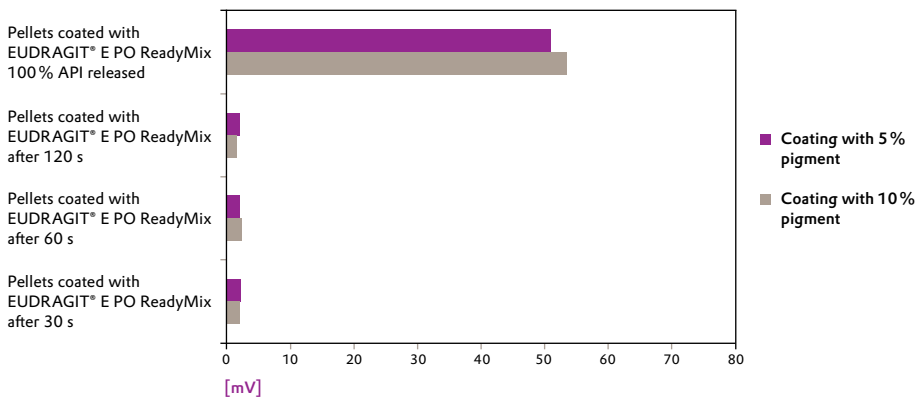


Max. test duration: 120 seconds



Electronic tongue results prove taste masking efficiency of EUDRAGIT® E PO ReadyMix

Figure 2: Bitterness sensor response





EUDRAGIT® E PO is the functional polymer that gives coatings made with the “ReadyMix” the following properties:

- Outstanding taste masking without delay in drug release
- Superior moisture protection
- Insoluble in the mouth, but readily soluble in the stomach
- Reliable functionality and quality
- Smooth texture and appearance
- Pleasant mouth feel and improved swallowability
- Excellent film adhesion on the substrate
- High pigment load capacity
- Superb logo definition

EUDRAGIT® E PO ReadyMix additionally provides the advantages of a ready-to-use product:

- Easy to prepare coating suspension: just add water and stir with a propeller mixer
- Faster coating process
- Lower costs from fewer preparation and weighing steps
- Minimized variation and potential for operator errors
- Reduced incoming testing
- Fewer raw materials to procure and inventory

EUDRAGIT® E PO ReadyMix makes registration easy:

- All ingredients are commonly used and have monographs in all major pharmacopeias
- EUDRAGIT® E PO polymer has been used in many commercial products for decades. IIG data is available, and increased usage levels are supported by toxicological data
- Individualized regulatory support can be provided upon request



EUDRAGIT® E PO ReadyMix: Tailored to your needs, fast and reliably delivered

Ingredients of EUDRAGIT® E PO ReadyMix for a standard formulation

EUDRAGIT® E PO

Sodium lauryl sulfate (SLS)

Talc

Silicon dioxide

Stearic acid

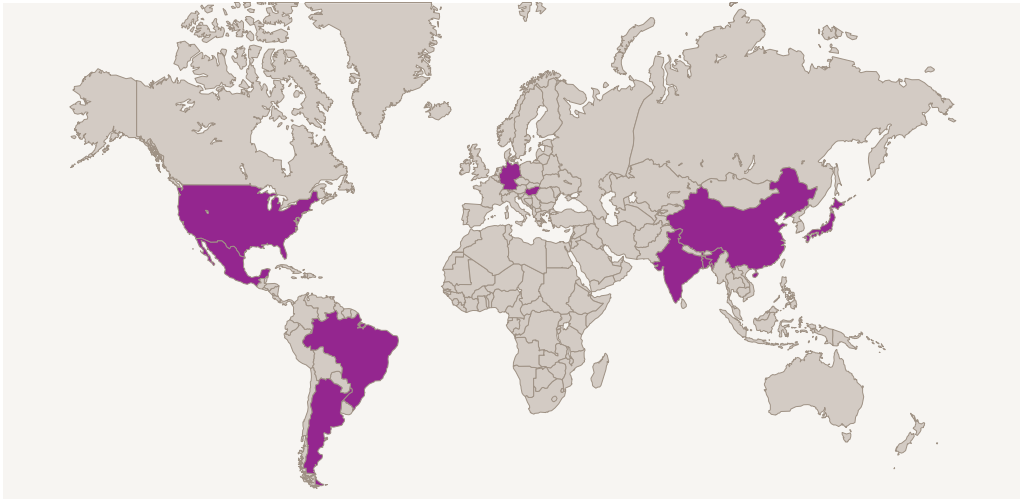
Optional ingredients can also be part of the
“ReadyMix” depending on the tablet formulation

- Color pigments, e.g. iron oxides, aluminium lakes, natural colors
- Flavors and fragrances
- Others as needed

Evonik will develop an EUDRAGIT® E PO ReadyMix that meets your individual requirements

If you like to work with EUDRAGIT® E PO ReadyMix the following procedure is the easiest way to do so:

1. Contact an Evonik sales representative to discuss your requirements.
2. You will receive an EUDRAGIT® E PO ReadyMix sample for your initial feasibility trials.
3. Evaluate the EUDRAGIT® E PO ReadyMix sample on your substrate. We can also assist you with trials at your site or with our global technical service network for feasibility trials and development services.
4. Based on your feedback a customized sample in your color of choice will be developed and shipped within a short time.



Evonik global technical centers

EUDRAGIT® E PO ReadyMix has been developed in cooperation with BIOGRUND GmbH



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