



## Calcium hydrogen phosphate: more quality, less risk

### Now from Merck Millipore in EMPROVE® exp quality

Calcium hydrogen phosphate (dicalcium phosphate,  $\text{CaHPO}_4$ ) is widely used in the pharma and food industries as an excipient and as a source of calcium and phosphorus. But as every manufacturer knows, microbiological contamination in  $\text{CaHPO}_4$  can cause serious problems in production and applications. To minimize your risk and help you produce more smoothly, we have changed the procedures to in-house production on the Merck site— according to GMP guidelines and using an advanced production technology to ensure the highest quality possible.

### Your benefits at a glance

- ▶ Manufactured in-house to GMP guidelines
- ▶ Minimized contamination risk thanks to advanced production technology
- ▶ Multi-compendial for easier approvals worldwide
- ▶ EMPROVE® documentation
- ▶ Spray dried material
- ▶ We welcome audits on request

### Calcium hydrogen phosphate – manufactured according to GMP guidelines

For our new  $\text{CaHPO}_4$  production we use state-of-the-art technology to ensure the highest quality standards possible and to minimize the likelihood of contamination. For maximum reliability, calcium hydrogen phosphate from Merck Millipore is manufactured exactly according to GMP guidelines. We will use spray drying and our  $\text{CaHPO}_4$  powder is slightly coarser than standard materials available on the market, loss of material during production is reduced and yield per batch can be increased.

### $\text{CaHPO}_4$ from Merck Millipore – EMPROVE® quality and full documentation

As a multi-compendial product, our EMPROVE® quality  $\text{CaHPO}_4$  complies with European, US, British and Japanese pharmacopoeias, simplifying your approvals worldwide. And as with all EMPROVE® products from Merck Millipore, you benefit from the unrivalled combination of top quality, comprehensive documentation and excellent service. For faster time-to-market of your products, we have compiled for you an extensive EMPROVE® exp dossier in order to support excipient qualification and product registration.

**Audits welcome on request**

We want our customers to feel confident in our products. That's why we welcome audits – so visit us and verify our product quality for yourself! If you want to take a look at our product now, Sample kits containing 3 PE bottles from 3 different batches are also available.

Full-scale production of our new EMPROVE® CaHPO<sub>4</sub> will start in October 2012. Standard packaging options are 1 kg PE bottles or 25 kg PE sacks in a cardboard box.

For more information, please [contact us](#).