

Purolite Praesto™

PM5000

Polystyrenic Gel Inert Copolymer,
Pharmaceutical Grade

ОСНОВНЫЕ НАЗНАЧЕНИЯ

- Nanoparticle milling
- Preparation of ultra-fine nanoparticles
- Biological cell disruption
- Improve solubility of small molecules

ПРЕИМУЩЕСТВА

- Creates nanoparticles less than 100 nm
- Ultra High Purity
- Exceptional wear resistance
- Minimizes contamination
- Uniform particle size; prevents screen binding
- Highly efficient
- Autoclavable / steam sterilizable
- Scalable
- Low media density; enables high media loads and agitation speeds
- Generates less heat than traditional media
- Biologically inert; prevents chemical reactions and composition changes

СИСТЕМЫ

- AISI 316 stainless steel or other metal alloy agitator bead mills
- High-speed dispersers
- Homogenizers
- Rotor-stators

ТИПОВЫЕ ФИЗИЧЕСКИЕ И ХИМИЧЕСКИЕ ХАРАКТЕРИСТИКИ

Структура полимера	Gel polystyrene crosslinked with divinylbenzene
Внешний вид	Non-aggregated spherical beads, white to off-white in color
< 150 µm (max.)	0.02 %
250 – 350 µm (min.)	95 %
Particle Size Range	450 - 550 µm
Specific Gravity	1.06
Bulk Density (approx.)	610 g/L
Loss on drying (max.)	0.5 %
Residual styrene (max.)	50 ppm
Residual divinylbenzene (max.)	50 ppm
Residual ethylvinylbenzene (max.)	50 ppm
Residual solvent – methanol (max.)	50 ppm
Impurities Heavy Metals (max.)	10 ppm
Total Aerobes	< 10 cfu/g
Total Moulds	< 10 cfu/g

Total Yeasts	< 10 cfu/g
Escherichia coli	Negative/ 10 g g
Salmonella species	Negative/ 10 g g
Pseudomonas aeruginosa	Negative/ 10 g g
Staphylococcus aureus	Negative/ 10 g g
Bacterial endotoxin test (max.)	0.5 EU/g
Identification (FTIR)	Conform to Standard

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