

## CM methacrylic resin

**Cat. No.** carboxy methyl-008M    **Lot. No.** (See product label)

### SPECIFICATION

|                                 |                                                                                                                                                                                                                                                                                                                                                                                            |
|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>         | CM methacrylic chromatographic resin is designed for cation exchange chromatography. This chromatographic mode separates molecules on the basis of ionic interactions between the sample and the resin. The separation is usually accomplished in buffered aqueous solution with a gradient of increasing ionic strength. Alternatively, pH adjustment may be used for control of elution. |
| <b>Cat.no</b>                   | carboxy methyl-008M                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Form</b>                     | slurry in 20 % (v/v) ethanol                                                                                                                                                                                                                                                                                                                                                               |
| <b>Size</b>                     | 100 mL, 250 mL, 1 L                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Matrix</b>                   | methacrylic polymer                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Ion exchange capacity</b>    | 0.225 ± 0.055 meq/mL                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Functional group</b>         | carboxy methyl group: –O–CH <sub>2</sub> COO–                                                                                                                                                                                                                                                                                                                                              |
| <b>Protein</b>                  | carboxy methyl                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Average particle size</b>    | 50 – 100 µm                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Dynamic binding capacity</b> | ≥ 110 mg/mL (human IgG)                                                                                                                                                                                                                                                                                                                                                                    |

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|------------------------------|------------------------|
| <b>Recommended flow rate</b> | normally 10 – 600 cm/h |
|------------------------------|------------------------|

|                   |                 |
|-------------------|-----------------|
| <b>Shelf life</b> | Minimum 5 years |
|-------------------|-----------------|

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