

## Catalyst ICT-31-1

Catalyst for methyl mercaptan synthesis from methanol and hydrogen sulfide.  
Applied for methionine chemical synthesis.

### Specification:

| №  | Parameter   | Standard value                                      |          |
|----|---|---|----------|
|    |   | A   | B        |
| 1. | Appearance:<br>- Color<br>- Shape   | White, cream and pink shades are allowed<br>Spheres |          |
| 2. | PSD: mass fraction of pellets with diameter, %:<br>- 4.0-6.3 mm<br>- 2.5-3.5 mm | >92<br>–  | –<br>>92 |
| 3. | Bulk density, g/cm <sup>3</sup>   | <0.95   | <0.95    |
| 4. | Surface area, m <sup>2</sup> /g   | 250±50  | 200±50   |
| 5. | Crushing strength under static conditions, average, MPa                         | >3.5  | >3.5     |