



***J-CHEM 201***

**COMOX DESULPHUR CATALYST**

Cobalt-Molybdenum Hydrodesulphurization catalyst for the  
Hydrotreatment of feedstocks containing organo-sulphur compound

**TYPICAL CHEMICAL AND PHYSICAL PROPERTIES**

**A. CATALYST DESCRIPTION**

|             |                              |
|-------------|------------------------------|
| Designation | <b><i>J-CHEM 201</i></b>     |
| Form        | Light blue extrudates        |
| Size        | Ø3×4~10mm or size by request |

**B. TYPICAL CHEMICAL COMPOSITION (%wt)**

|                  |                                      |
|------------------|--------------------------------------|
| Cobalt oxide     | >4.0                                 |
| Molybdenum oxide | >12.0                                |
| Base             | Alumina and TiO <sub>2</sub> carrier |

**C. PHYSICAL PROPERTIES**

|                |                        |
|----------------|------------------------|
| Bulk density   | 0.6-0.7 Kg/L           |
| Surface area   | >240 m <sup>2</sup> /g |
| Crush strength | >1.5 Kg                |
| Pore volume    | 0.6-0.7ml/g            |

**D. OPERATING CONDITIONS:**

|                                    |  |
|------------------------------------|--|
| Pressure:                          | atmosphere~4.0Mpa  |
| Space velocity:                    | 1000~3000 h <sup>-1</sup> (for gas feed)<br>1~6 h <sup>-1</sup> (for liquid feedstock) |
| Temperature:                       | 320~400°C  |
| Inlet CO+CO <sub>2</sub> content:  | less than 1%   |
| Outlet CO+CO <sub>2</sub> content: | less than 5~10ppm  |