



JAPAN CHEMICAL INNOVATION INSTITUTE  
ORGANIZATION APPROVED BY MINISTRY OF INTERNATIONAL TRADE  
& INDUSTRY AND MINISTRY OF HEALTH & WELFARE

## HIGH POLYMER TEST AND EVALUATION CENTER

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11.JCII.No.T0217

Jul 27, 1999

No. \_\_\_\_\_

Date: \_\_\_\_\_

### Certificate

This is to certify that the following sample have been duly tested in accordance with the Japanese Food and Sanitation Law (Ministry of Health and Welfare Notification No.20,1982) and are proved the following result.

Applicant : LG MMA Corp.  
Sample : PMMA(Poly Methylmethacrylate)  
EG 920  
Date of test : Jul 23, 1999  
Result and No.20 Standard

| <u>Test item</u>               | <u>No.20 Standard</u> | <u>Test Sample</u> |
|--------------------------------|-----------------------|--------------------|
| Materials tests                |                       |                    |
| Lead                           | Less than 100 ppm     | Within the limit   |
| Cadmium                        | Less than 100 ppm     | Within the limit   |
| Dissolution tests              |                       |                    |
| Heavy Metals                   | Less than 1ppm as Pb  | Not detected       |
| Consumption of $\text{KMnO}_4$ | Less than 10 ppm      | Within the limit   |
| Evaporation Residue            |                       |                    |
| Distilled Water                | Less than 30 ppm      | Within the limit   |
| 4% Acetic Acid                 | Less than 30 ppm      | Within the limit   |
| 20% Ethanol                    | Less than 30 ppm      | Within the limit   |
| n-Heptane                      | Less than 30 ppm      | Within the limit   |
| Polymethyl methacrylate        | Less than 15 ppm      | Within the limit   |

I hereby certify that the result of examination was as stated above.

*T. Hase*

Director

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