## Subject: Change of Silica Gel Indicator

Dear Customer,
Please be advised that the silica gel indicator we use for our semiconductor package will be changed as mentioned below.
Customer is kindly requested to approve the change.
Thank you for your cooperation in advance.
Sincerely

1. Objective products

Semiconductor products of which package contains silica gel indicator (Part of semiconductor products for PC, ASIC, customized LSI, discrete devices and memories)
2. Contents of change

1) Abolition of 3-, 5-, 6-point indicator (*)
2) Reduction of cobalt chloride in silica gel (Cobalt chloride-free silica gel **) -- Refer to Appendix 1
3) Integration of silica gel and indicator (integrated silica gel *) - Refer to Appendix 2 and3
4) Reduction of cobalt chloride in indicator -- Refer to Appendix 1 and 2
5) Change of silica gel amount resulting from Reduction of cobalt chloride in silica gel and integration of silica gel and indicator -- Refer to Appendix 3

* : 3-, 5-, 6-point indicators are abolished for the use because that indicator is stuck to silica gel (cobalt chloride free) (Single indicator is abolished.)
** : A part of our semiconductor product packages have already been free from cobalt chloride. This time all silica gel will become free from cobalt chloride.

3. Reason for change

For the compliance with environment protection. (Cobalt chloride free + Reduction of cobalt chloride amount)

## 4. Schedule of change

Currently used silica gel will be changed from September 2007 one after another.
When the inventory of old type silica gel has run out, new type silica gel is used.
In that case, the semiconductor products will be delivered to customer with old type silica gel and new type silica gel mixed.
Customer is kindly requested to approve the mixture.
5. Inquiry to

- Toshiba Corporation, Semiconductor Company, Tatsuya, Yamada Packing And Logistics Engineering Group, Advanced Packaging Engineering Dept. Process \& Manufacturing Engineering Center

Thank you very much for your kind understanding and cooperation.
Best Regards.
TOSHIBA CORPORATIN Semiconductor Company


## Explanation of change contents

## 1. Cobalt chloride contents

| Current product (Silica Gel 20g) |  |  | Reduction method of cobalt chloride |
| :---: | :---: | :---: | :---: | :---: | :---: |

2. Specification of silica gel indicator


Note) Above photo shows 20 g type silica gel.

## Explanation of change contents

3. Photos of New and Old Silica Gels


Note) (1) There are several types of silica gel bag as silica gel is supplied by several suppliers. (2) 2-bag type is also provided.

## 4. Change of contained weight of silica gel

(1) A part of silica gel bags containing $3,5,10 \mathrm{~g}$ silica gel (including cobalt chloride) is changed to integrated type 15 g silica gel bag.

