

CERTIFICATE OF QUALIFICATION

This is to certify that:

**Tosoh Quartz Inc.
U.S.A.**

**Tosoh Quartz Ltd.
England**

**Tosoh Quartz Co. Ltd.
Taiwan R.O.C.**

Has been qualified by

ASM

This qualification is applicable to:

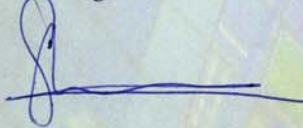
***The delivery of 200 and 300 mm quartz parts
for the following ASM Product Line(s):
CVD & Diffusion***

Original Approval: 1998 - June - 28

Current Certificate: 2011 - April - 01

Certificate Expiry: 2014 - April - 01

ASM
S. Wong



Sr. Director Global Procurement

ASM
H. van den Hoek



Sr. Global Category Manager

ASM 

The Process of InnovationSM