



# 2017 May Case Study

## Material Cost Reduction Strategy that Delivered Benefits

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# Case Study Introduction

Introduction of lower grade process chemicals to achieve cost down.

=> IPA (propanol) MOS grade to be replaced by IPA of a pharma grade

# Case Study Challenge

Introduction of a chemical not specified according semiconductor standards.

- Purity below MOS grade
- Specification much less comprehensive  
e.g. no detailed specification of impurities like metals



# Case Study Approach

- Comparison of specification, production process and SPC data of both grades
- Risk assessment and possible measures for risk mitigation

# Case Study Results

- Limited risk for process obtained so that qualification possible
- IPA pharma grade released



# Case Study Critical Success Factors

- Cost benefit vs risk and effort

## Case Study Lessons Learned

To be considered for cost down projects

- Production materials of lower grade than standard
- Production materials of other sectors than semiconductors



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