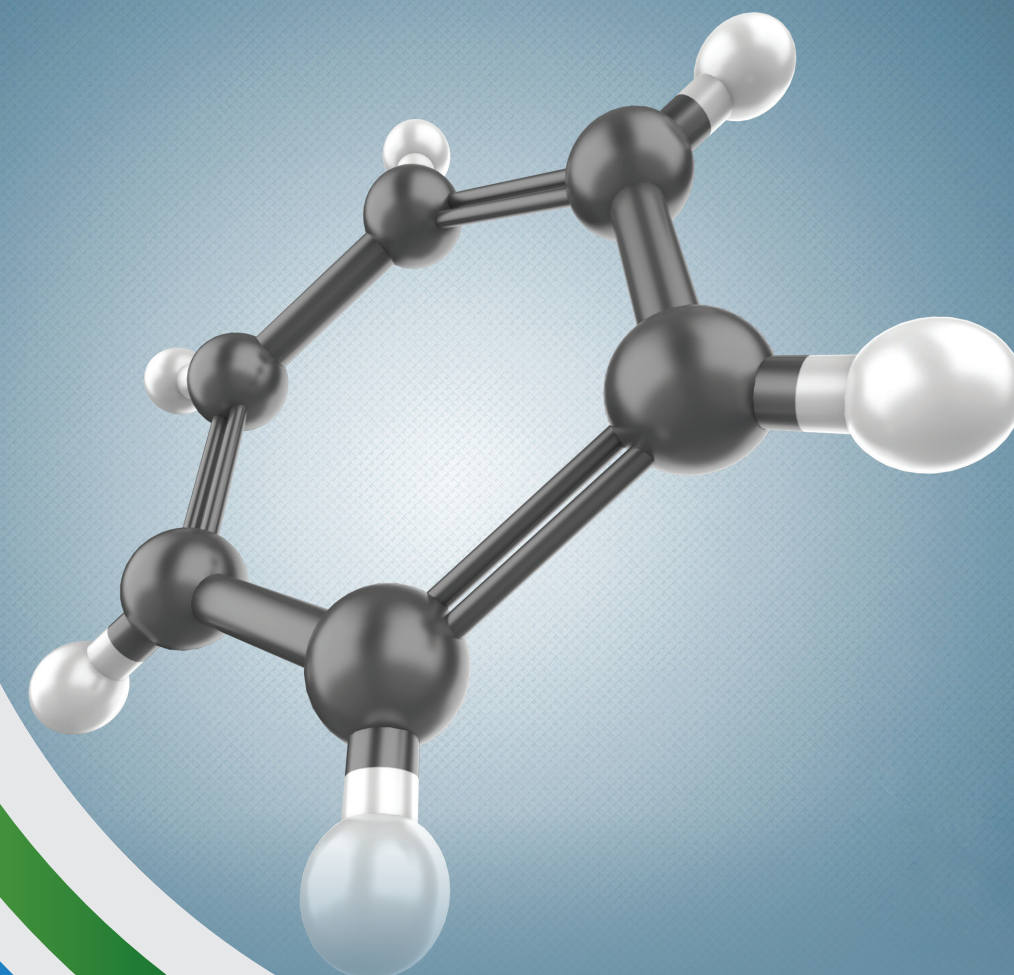


We are Nano Pars We Invent the Method

Nano Pars is specialized in manufacturing Nano-particles and Nano catalysts specifically for Refining, Petroleum, Food and Pharmaceutical Industries. The company is launched as a research project in 2007 with the aim of exploring the possibilities of domestic production of petrochemical catalysts, joining scholars from different fields. After 5 years the research group succeeded in patenting an alternative method of producing Nano particles. since then, Nano Pars expanded its operations both as a producer of catalysts and provider of technical and productivity based solutions. The company is a sole manufacturer of significant number of catalysts including Hydrogenation, Dehydrogenation, Oxychlorination, Isomeration, Reduction, Guards and Gauze for Iranian market.

Overview of Our Products

Catalysts	
HydroPars TM	
DehydroPars TM	
OxyPars TM	
GuardPars TM	More information in this catalogue
GauzePars TM	
RedPars TM	
IsoPars TM	
Supports	
SupPars TM	



GuardPars TM

Leading Guard Technologies

NANO
PARS SPADANA

Benzene Chlorination Catalyst

Designed for Chlorination of Benzene

Nano Pars Technology

- The mesoporous structure of promoters enhances the selectivity of Benzene



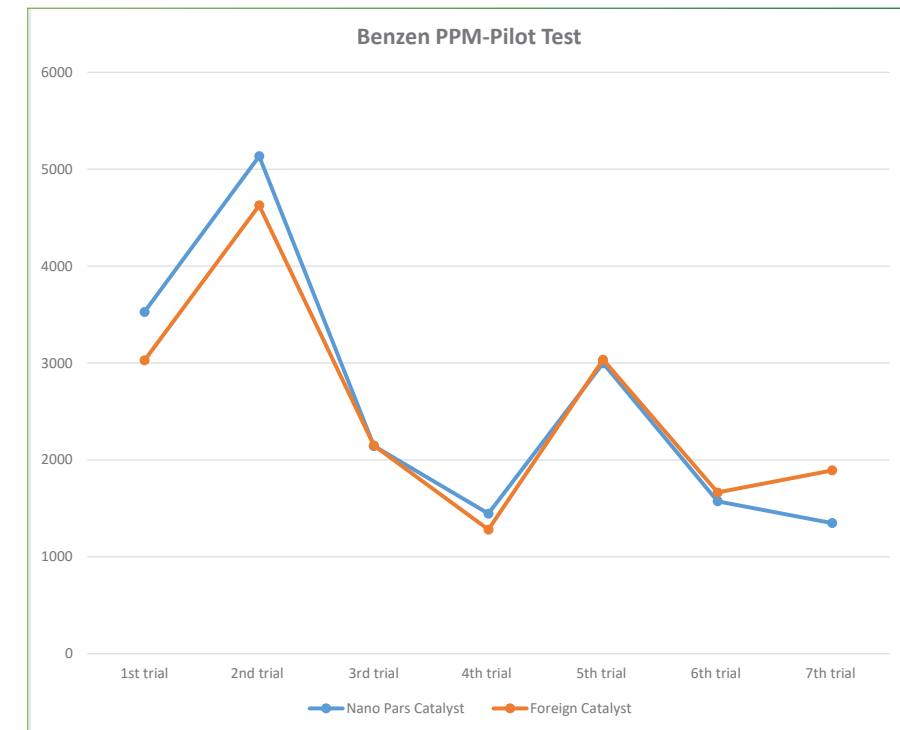
- High Conversion rate
- Enhanced Selectivity
- High chlorination rate of Benzene

Our portfolio

Type	RG1A-HE
Form	Hollow Cylindrical
Size-Length(mm)	5-11
Size-Out Diameter(mm)	4.5
Size-In Diameter(mm)	1.5
Color	white
Surface Area(m ² /g)	150-210
Al ₂ O ₃ %	Min 86
Promoters	Variant

✓We can provide this catalyst with your specific parameters

Pilot Test Performance



- The test was performed in 2016 at Arvand Petrochemical company

References:

“We are satisfied with performance of GuardPars used in our Benzene chlorination process “



Mr.Reza Nik Farjam

Head of the research and innoation of Arvand petrochemical company -2016

