QC Tests for Lots.

Category	Method	Description						
Base Silica-Gel	SEM	Sphericality and Surface Smoothness	by Scanning Electron Microscopy					
	Ph	Particle Size Uniformity	by Nitrogen Adsorption, Laser Ray Particle Analyzer					
	М	Metals	by Atomic Emission and ICP					
	Ph	Particle Size, Surface Area, Pore Diameter and Pore Volume.	by Nitrogen Adsorption, Laser Ray Particle Analyzer					
Chemical Bonding	С	Carbon Load	by Elementary Analysis					
	Si NMR	Residual Silanol	by Si-NMR					
	Schro	Residual Silanol	by Chromatographic test					
Selectivity of Packings	Т	Hydrophobicity	Tanaka Test Mixture					
	Т	Stereoselectivity	Tanaka Test Mixture					
	Т	Hydrogen-bonding capability	Tanaka Test Mixture					
Inertness of Packings	Ру	Inertness to Basic compounds	Pyridine					
	Am	Inertness to Basic compounds	Ethylaniline, Benzylamine, Aminopyridine					
	Ac	Inertness to Acidic compounds	Formic Acid, Acetic Acid					
	Cu	Inertness to Complexes	Oxine-Copper					
Durability of Packing	D	Durability to Low pH mobile phase	at pH 2.0					
	D	Durability to High pH mobile phase	at pH 9.0					

Column Performance Tests for Individual Columns

Column Efficiency	CP	Theoretical Plates	In compliance with USP	
	CP	Peak Symmetry	In compliance with USP	
The Others	CP	Retention		
	CP	Column Back Pressure		

QC Tests Employed for Phases

Packing	SEM	М	Ph	С	Si NMR	Schro	Т	Ру	Am	Ac	Cu	D	CP	V
(Inertsil® 3 Series)														
Inertsil® ODS-3	0	0	0	0	0	0	0	0	0	0	0	0	0	
Inertsil® ODS-3V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Inertsil® ODS-P	0	0	0	0									0	
Inertsil® C8-3	0	0	0	0	0	0	0	0	0	0	0	0	0	
Inertsil® Ph-3	0	0	0	0			0	0	0	0	0	0	0	
Inertsil® CN-3	0	0	0	0			0	0				0	0	
Inertsil® NH2	0	0	0	0									0	
Inertsil® SIL-100A	0	0	0										0	
(Inertsil® 2 Series)														
Inertsil® ODS-2	0	0	0	0		0	0	0	0	0	0	0	0	
Inertsil® C8	0	\circ	0	0		0	\circ	0	0	0	0	0	0	
Inertsil® C4	0	0	0	0		0	0	0	0	0	0	0	0	
Inertsil® Ph	0	0	0	0		0	0	0	0	0	0	0	0	
Inertsil® SIL-150A	0	0	0										0	
(The other Inertsil®	colum	nns)												
Inertsil® ODS-80A	0		0	0		0		0					0	
Inertsil® PREP-ODS			0	0		0		0				0	0	
Inertsil® PREP-C8			0	0		0		0				0	0	
Inertsil® PREP-SIL			0										0	
Inertsil® Econo PREP-ODS			0	0		0		0					0	
Inertsil® Econo PREP-SIL			0										0	

 $[\]bigcirc$:The test is employed for every batch

O:The test is employed periodically