

## \* \* Sheet for requesting a flooding check of structured packing \* \* (continuous distillation)

Date :

Item No :

Item Name :

Item	Section	Rectifying section		Stripping section	
		Top	Bottom	Top	Bottom
Pressure: <span style="color: red;">※Please check the right item by circle mark</span>	$P$ <div style="border: 1px solid black; padding: 2px; display: inline-block;">                     mmHg·a                      kg/cm<sup>2</sup>G                      kPaG                      kPaA                 </div>	※Pressure of Top Section ( )	Allowable Total Pressure Drop= ( mmHg) = ( %) <span style="color: red;">※Target Load</span>		
Temperature: $t$	(°C)				
Vapor Rate: $G$	(kg/H)				
Vapor Density: $\rho_g$	(kg/m <sup>3</sup> )				
Liquid Rate: $L$	(kg/H)				
Liquid Density: $\rho_L$	(kg/m <sup>3</sup> )				
Liquid Viscosity: $\mu_L$	(mPas (cP))				
Liquid Surface Tension: $\sigma$	(mN/m (dyne/cm))				
Foaming Factor:	※Please enter the 1.0 if there is no foaming				
Operation Range:	(%)	Min : ( ) ~ Max : ( )			
		Rectifying section		Stripping section	
		Top	Bottom	Top	Bottom
Tower Diameter: $D$	(mm)				
Packed Height: $H$	(mm)				
Type of Packing:					
Number of Theoretical Plates: NTP	(段)				
HETP:	(mm)				
F Factor: $F$	(m/s(kg/m <sup>3</sup> ) <sup>0.5</sup> )				
Vapor Linear Velocity: $U$	(m/sec)				
Flooding Approach:	(%)				
Liquid Load:	(m <sup>3</sup> /m <sup>2</sup> /Hr)				
Total Pressure Drop: $\Delta P$	(kPaA/hole)				

※Please fill the data in