

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

Date :

Item No :

Item Name :

Item	Section	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) ※Target Load=(     %)
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 : (     )
		Top	Bottom
Tower Diameter:	$D$ (mm)		
Packed Height:	$H$ (mm)		
Type of Packing:			
Number of Theoretical Plates:	NTP (plate)		
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