

[Form 3] Report on results of 1-octanol/water partition coefficient measurement test

1. General information

IUPAC name of new chemical substance, etc.			
Other name			
CAS no.			
Structural or rational formula (if neither is available, summarize its formulation method)			
Molecular weight			
Purity of the new chemical substance used for the test (%)			
Lot number of the new chemical substance used for the test			
Names and contents of impurities			
Vapor pressure			
Solubility in water			
1-Octanol/water partition coefficient			
Melting point			
Boiling point			
Properties at room temperature			
Stability			
Solubility in solvents, etc.	Solvent	Solubility	Stability in solvent

[Notes] Provide the physicochemical properties wherever possible.

1. Fill in the "Vapor pressure" column with the vapor pressure of the test substance.
2. Fill in the "Stability" column with the stability of the test substance against temperature, light, etc.
3. Fill in the "Solubility in solvents, etc." column with the solubility and stability of the test substance in a solvent.

2. Test method

Test method	Method described in OECD test guideline 107, or Japanese Industrial Standard Z7260-107 (2000)	Method described in OECD test guideline 117
Dissociation constant	PKa <sub>1</sub> =                      Pka <sub>2</sub> =	PKa <sub>1</sub> =                      Pka <sub>2</sub> =
Distinction between acid and alkaline		
Temperature (°C)		
Name and composition of eluant	/	/

[Note] If buffer solution is used, note the kind of solution and its pH in the “Name and composition of eluant” column.

3. Test results

3.1 Method described in OECD test guideline 107, or Japanese Industrial Standard Z7260-107 (2000)

(1) Results of partition coefficient measurement

		Pow=Co/Cw				Log Pow				
		Measurement	Average	Overall average	Standard deviation	Measure ment	Average	Overall average	Standard deviation	Maximum difference
Measurement condition-1	a									
	b									
Measurement condition-2	a									
	b									
Measurement condition-3	a									
	b									

(2) Results of tank pH measurement

		Measurement	
			Average
Water used			
Measurement condition-1	a		
	b		

Measurement condition-2	a		
	b		
Measurement condition-3	a		
	b		

3-2. Method described in OECD test guideline 117

(1) Results of measurement

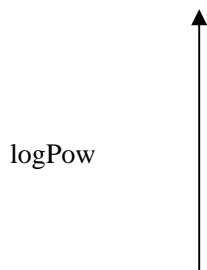
	Name of analyte assayed	$t_R$	k	logk	logPow
Reference material	(Dead time measurement: $t_0$ )				
Test substance					

$t_0$ : Dead time (min)

$t_R$ : Retention time (min)

k: Retention coefficient:  $(t_R - t_0)/t_0$

(2) Correlation diagram and regression formula (including correlation coefficient)



—————→  
Logk

[Note] Plot the data on reference material and test substance.

(3) Distribution coefficient of test substance

log Pow		
	Actual measurement	Average

4. Discussion

5. Others

Testing agency	Name		
	Address	Tel:	Fax:
Test director	Name and status		
	Years of experience		
Test number			
Test period	From (month) (day) (year) to (month) (day) (year)		

[Notes]

1. Fill in the present form by transcribing from the final report.
2. Fill in the test number reported in the final report.
3. In the margin of this form, provide the name and affiliation of the person in charge of filling in this form.