

# 測試樣本敘述 Test Sample Description

日期 Date: \_\_\_\_\_

## 顧客資料 Customer Information

公司名稱 Company Name: \_\_\_\_\_

聯絡人 Contact Name: \_\_\_\_\_

聯絡電話 Phone: \_\_\_\_\_

電郵 email: \_\_\_\_\_

傳真號碼 Fax: \_\_\_\_\_

地址 Address: \_\_\_\_\_

項目地點 Site location: \_\_\_\_\_

測試樣本敘述 Brief description of material being tested: \_\_\_\_\_

流程流量 Process Flow Rate \_\_\_\_\_

流程操作溫度 Operating Temp. in Process \_\_\_\_\_ C

液體化學成份 Liquid Chemical Composition: \_\_\_\_\_

總溶解固體 TDS\*: \_\_\_\_\_ %w/w

酸鹼度 pH: \_\_\_\_\_

電導率 Conductivity: \_\_\_\_\_  $\mu$ S

懸浮固體成份 Suspended Solids Composition: \_\_\_\_\_

總懸浮固體 TSS\*\*: \_\_\_\_\_ %w/w

固體粒子比重 Particle Sp. Gv: \_\_\_\_\_

粒子大小分佈 Particle Size Distribution: \_\_\_\_\_

## 處理流程目標 Process Objectives

污水處理 Wastewater Treatment -

目標清水(濾液)回收率 Desired Clean Water (Filtrate) Recovery: \_\_\_\_\_ %

處理標準 Quality Limits

總懸浮固體 TSS: \_\_\_\_\_ ppm 總溶解固體 TDS: \_\_\_\_\_ ppm

渾濁度 Turbidity: \_\_\_\_\_ NTU 色度降低 Color Reduction: \_\_\_\_\_ %

固體成品回收率 Solid Product Recovery

目標固體回收率 Desired % Solids: \_\_\_\_\_

其他 Other: \_\_\_\_\_

流程敘述 Process Description: \_\_\_\_\_

處理目標 Process Goals: \_\_\_\_\_

\*TDS: Total Dissolved Solids

\*\*Total Suspended Solids

### 物料敘述 Material Description

物料安全資料表 MSDS:  Follows  Included with Sample

是否包括化學分析 Have you included a chemical analysis?:

Yes  No

是否有安全風險 Health Hazard: Yes  No

是否有化學風險 Environmental Hazard: Yes  No

### 特殊流動學反應 Special Rheological Behavior

固體凝結點 Gel Point % Solids: \_\_\_\_\_ %w/w (固體凝結不能由泵輸送 Point at which pumping is Not feasible)

搖溶現象 Thixotropic: Yes  No  (剪力下溶解 Thins on shearing.)

搖濃現象 Dilatant Yes  No  (剪力下濃縮 Thickens with shearing.)

剪力 Shear labile Yes  No  (剪力下降解 Degrades under shearing.)

凝膠組成 Gel forming Yes  No  (靜止時組成凝膠 Forms a gel on standing.)

其他 Other: \_\_\_\_\_

### 存放 Handling

容許加熱 Heating allowed Yes  No  (最高溫度 Max Temp: 45 C)

容許冷凍 Freezing allowed Yes  No

需要冷藏 Needs refrigeration Yes  No

避免光照 Keep from light Yes  No  (光敏 Photo sensitive)

防腐 Septic Yes  No  (生物活躍 Biologically active)

酸鹼敏感性 pH Sensitive Yes  No  (容許酸鹼度 Allowable pH range: \_\_\_\_\_)

腐蝕性 Corrosive Yes  No  (相容物料 Compatible Materials:

不銹鋼 Stainless Steel

聚丙烯 Polypropylene

其他 Other: \_\_\_\_\_

### 清洗程序 **Cleaning Procedure**

接觸處理液體的不銹鋼及聚四氟乙烯配件清洗程序 Appropriate procedure to clean stainless steel and Teflon parts which contact the process fluid: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

### 重要資料 (必需提供)

#### Important Information (must be provided)

- 現時詳細工藝流程圖
- Existing detail process diagram
- 流程數據，如流速、溫度等
- Process parameters, such as flow rate, temperature
- 添加化學物的品牌、化學名稱、純度、劑量
- Chemicals added, brand name, chemical nomenclature, purity, dosage
- 照片
- Pictures