

冷却液与材料兼容性清单

按完整润湿材料体系评估风险，并把制造、清洗、补液和维护过程纳入同一污染控制边界。

01 介质定义

[]	基础液、添加剂、浓度和供应批次	Owner / Date: _____
[]	运行温度、冻结和沸腾边界	Owner / Date: _____
[]	pH、电导率、硬度、氯离子和微生物要求	Owner / Date: _____

02 润湿材料

[]	金属、镀层、钎焊和焊接区域	Owner / Date: _____
[]	密封、软管、胶黏剂和塑料	Owner / Date: _____
[]	过滤材料、传感器、阀泵和连接器	Owner / Date: _____
[]	电偶组合与表面积比例	Owner / Date: _____

03 验证

[]	浸泡、循环、温度加速和压力循环	Owner / Date: _____
[]	外观、失重、尺寸、硬度和拉伸变化	Owner / Date: _____
[]	颗粒计数、金属离子和化学趋势	Owner / Date: _____
[]	样品版本、暴露时间和判定标准	Owner / Date: _____

04 运行维护

[]	冲洗、充液、补液和取样工具清洁度	Owner / Date: _____
[]	过滤精度、差压和更换条件	Owner / Date: _____
[]	取样位置、周期、实验室方法和趋势限值	Owner / Date: _____
[]	异常介质隔离、处置和恢复步骤	Owner / Date: _____

说明：本清单用于项目输入和评审，不构成产品容量、性能或交付承诺。最终参数以批准的项目规范、产品版本和测试记录为准。

Coolant and material compatibility checklist

Assess the complete wetted-material system and include manufacturing, cleaning, make-up and service in one contamination boundary.

01 FLUID DEFINITION

☐	Base fluid, additives, concentration and supply batch	Owner / Date: _____
☐	Operating temperature, freeze and boiling boundaries	Owner / Date: _____
☐	pH, conductivity, hardness, chlorides and biological limits	Owner / Date: _____

02 WETTED MATERIALS

☐	Metals, coatings, brazed and welded regions	Owner / Date: _____
☐	Seals, hoses, adhesives and polymers	Owner / Date: _____
☐	Filter media, sensors, valves, pumps and connectors	Owner / Date: _____
☐	Galvanic combinations and area ratios	Owner / Date: _____

03 VERIFICATION

☐	Soak, circulation, temperature acceleration and pressure cycling	Owner / Date: _____
☐	Appearance, mass, dimensions, hardness and tensile change	Owner / Date: _____
☐	Particle count, metal ions and chemistry trends	Owner / Date: _____
☐	Sample version, exposure duration and acceptance limits	Owner / Date: _____

04 OPERATIONS

☐	Cleanliness of flushing, filling, make-up and sampling tools	Owner / Date: _____
☐	Filtration rating, differential pressure and replacement	Owner / Date: _____
☐	Sample location, interval, method and trend limits	Owner / Date: _____
☐	Off-spec fluid isolation, disposition and recovery	Owner / Date: _____

Note: this checklist supports project definition and review. It is not a product capacity, performance or delivery commitment. Final parameters depend on approved project specifications, product versions and test records.