Clearance of Chromic Acid-Free Anodized Process for Application on Aircraft Aluminum Alloy as an Alternative to Conventional Chromic Acid Anodizing by RCMA, CEMILAC

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Conventionally chromic acid anodization process is widely used for the corrosion protection of aircraft aluminum alloys. Due to the strict environmental regulations it has been proposed by the National Association for Surface Finishing (NASF) to phase out its usage by 2026. Towards this CSIR-NAL has developed a cost effective eco-friendly (RoHS and REACH compliant) permanganate sealed tartaric sulphuric acid anodization process for the corrosion protection of aircraft aluminum alloys under CSIR sponsored LHF projects during 2016-18. The process developed can be easily adapted in the existing chromic acid anodization plant. Clearance for the chromic acid-free anodization process for application on aircraft aluminum alloy as an alternative to conventional chromic acid anodizing has been accorded by RCMA, CEMILAC (Ref. No. RCMA (F&F– FOL)/NAL/223-06/443/C-01/2018/01, dt. 07/05/2018).

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All Correspondence to be addressed to the Regional Director (F&F - FOL) and not to any officer by Name

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