

DIN EN 17124:2022-12 (E)

Hydrogen fuel - Product specification and quality assurance for hydrogen refuelling points dispensing gaseous hydrogen - Proton exchange membrane (PEM) fuel cell applications for vehicles

Contents		Page
European foreword		3
1	Scope	4
2	Normative references	4
3	Terms and definitions	4
4	Requirements	5
5	Hydrogen Quality Assurance Methodology	7
5.1	General Requirements - Potential sources of impurities	7
5.2	Prescriptive Approach for Hydrogen Quality Assurance	7
5.3	Risk Assessment for Hydrogen and Quality Assurance	7
5.4	Impact of impurities on fuel cell power train	10
6	Hydrogen Quality Control Approaches	12
6.1	General requirements	12
6.2	Spot sampling	12
6.3	Monitoring	12
7	Routine Quality Control	12
8	Non-routine Quality Control	12
9	Non compliances	13
Annex A (informative) Impact of impurities		14
Annex B (informative) Example of Supply chain evaluation with regards to potential sources of impurities		18
Annex C (informative) Example of Risk Assessment -- Centralized production, pipeline transportation		23
Bibliography		31