



bluesign® CRITERIA for production sites

Rating matrix - Manufacturer

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The rating matrix -manufacturer specifies all parameters which characterize the performance levels of a manufacturer production site. The document at hand is to be seen in the context of *bluesign® CRITERIA for production sites – Annex: Rating criteria for production sites*.

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1 Management System

Foundational	Developing	Progressive	Aspirational
Legal Compliance Management			
<ul style="list-style-type: none"> Relevant legal documents (licenses, permits, regulations with subject to environment, OH&S and consumer safety) at hand Site is free from prosecution by the regulators 	<ul style="list-style-type: none"> Process for monitoring the validity of permits/licenses in place Responsible persons are equipped with appropriate documents Overview of valid regulations/licenses/permits and consequential actions is existent 	<ul style="list-style-type: none"> Company has a system of tracking changes in relevant regulations 	<ul style="list-style-type: none"> Document management is part of certified management system
Quality Management System			
Responsible person(s)			
<ul style="list-style-type: none"> Responsible person for Quality Management defined Responsible persons have adequate skills and knowledge 	<ul style="list-style-type: none"> Tasks and responsibilities clearly defined and assigned (job description, organizational chart) Directly accountable to senior management; with adequate authorization (reflected in the organizational chart) 	<ul style="list-style-type: none"> Demonstrable experience with significant knowledge and skills (e.g. training documents, certificates at hand) 	<ul style="list-style-type: none"> Exemplary expert in specific field (e.g. member of external expert groups; more than 5 years' experience in industry branch; continuing education)
System			
<ul style="list-style-type: none"> Quality policy established SOPs for important processes at hand (purchasing, process control, chemicals management, quality tests, test equipment, etc.) 	<ul style="list-style-type: none"> Target setting/review of quality targets Program with measures, schedule, responsibilities and budget given Approach is visible in company (postings of statistics, employees are aware of SOPs) 	<ul style="list-style-type: none"> Management System (according to ISO 9001 or adequate) is established, implemented and maintained (system is not only a paper tiger) Non-conformity reports given Follow-up actions in case of non-conformities 	<ul style="list-style-type: none"> Third party certificate available and up-to-date No major non-conformities Certification is existent for more than 3 years

Foundational	Developing	Progressive	Aspirational
Process Management			
<ul style="list-style-type: none"> Process management allows proper production (high quality of products, environmental and OH&S aspects under control) 	<ul style="list-style-type: none"> Relevant parameters, e.g. running speed, temperature, pressure prescribed in SOPs or by machine control Routings and recipes clearly defined and followed 	<ul style="list-style-type: none"> Continuous improvement (e.g. changes in recipes and routings; trials to check optimization potentials) Regular calibration for scales, measuring- and dosing units 	<ul style="list-style-type: none"> Demonstrable success to improve environmental/OH&S and quality performance by improvements regarding process management
Traceability			
<ul style="list-style-type: none"> Product name and suppliers of inputs traceable 	<ul style="list-style-type: none"> On request main inputs are traceable on lot basis 	<ul style="list-style-type: none"> Traceability from finished products to raw materials, chemicals and intermediates given on lot basis 	<ul style="list-style-type: none"> Traceability from finished products to raw materials is excellent and supported by IT (e.g. bar code system, ERP); excellent data management
Quality assurance finished products			
<ul style="list-style-type: none"> Testing only if issues or only on demand 	<ul style="list-style-type: none"> Voluntary testing of finished products Advices from BLUESIGN followed (e.g. tests in case of solvent coating) 	<ul style="list-style-type: none"> Systematic approach Testing program established 	<ul style="list-style-type: none"> Demonstrable success regarding quality improvement by quality assurance
Environmental Management System			
Responsible person(s)			
<ul style="list-style-type: none"> Responsible person for environmental management defined Responsible persons have adequate skills and knowledge 	<ul style="list-style-type: none"> Tasks and responsibilities clearly defined and assigned (job description, organizational chart) Directly accountable to the senior management; with adequate authorization (reflected in the organizational chart) 	<ul style="list-style-type: none"> Demonstrable experience with significant knowledge and skills (e.g. training documents, certificates at hand) 	<ul style="list-style-type: none"> Exemplary expert in specific field (e.g. member of external expert groups; more than 5 years' experience in industry branch; continuing education)

Foundational	Developing	Progressive	Aspirational
System			
<ul style="list-style-type: none"> ■ Environmental policy established and appropriate ■ Actions to ensure appropriate/improve environmental performance 	<ul style="list-style-type: none"> ■ Target setting/review of targets ■ Program with measures, schedule, responsibilities and budget given ■ Approach is visible in company (postings of statistics, employees are informed) 	<ul style="list-style-type: none"> ■ Management System (according to ISO 14001 or adequate) is established, implemented and maintained (system is not only a paper tiger) ■ Non-conformity reports given ■ Follow-up actions in case of non-conformities 	<ul style="list-style-type: none"> ■ Third party certificate available and up-to-date ■ No major non-conformities ■ Certification is existent for more than 3 years ■ Success of Management System is demonstrable
OH&S Management System			
Responsible person(s)			
<ul style="list-style-type: none"> ■ Responsible person for environmental management defined ■ Responsible persons have adequate skills and knowledge 	<ul style="list-style-type: none"> ■ Tasks and responsibilities clearly defined and assigned (job description, organizational chart) ■ Directly accountable to the senior management; with adequate authorization (reflected in the organizational chart) 	<ul style="list-style-type: none"> ■ Demonstrable experience with significant knowledge and skills (e.g. trainings, certificates at hand) 	<ul style="list-style-type: none"> ■ Exemplary expert in specific field (e.g. member of external expert groups; more than 5 years' experience in industry branch; continuing education)
System			
<ul style="list-style-type: none"> ■ OH&S policy established and appropriate ■ Actions to ensure appropriate/improve OH&S performance 	<ul style="list-style-type: none"> ■ Target setting/review of targets ■ Program with measures, schedule, responsibilities and budget given ■ Approach is visible in company (postings of statistics, employees are informed) 	<ul style="list-style-type: none"> ■ Management System (according to OHSAS 18001/ISO 45001 or adequate) is established, implemented and maintained (system is not only a paper tiger) ■ Non-conformity reports given ■ Follow-up actions in case of non-conformities 	<ul style="list-style-type: none"> ■ Third party certificate available and up-to-date ■ No major non-conformities ■ Certification is existent for more than 3 years ■ Success of Management System is demonstrable
Housekeeping and Maintenance			
<ul style="list-style-type: none"> ■ Housekeeping allows appropriate function of processes ■ Responsibilities defined ■ Facility is cleaned up ■ Housekeeping avoids leaks and other unnecessary emissions 	<ul style="list-style-type: none"> ■ Sufficient maintenance of facilities and equipment ■ Awareness of workers given ■ Housekeeping is part of training 	<ul style="list-style-type: none"> ■ Housekeeping in general on a good level ■ Proactive activities (maintenance plans etc.) 	<ul style="list-style-type: none"> ■ Machines and equipment in exemplary condition ■ Continuing efforts for improvement and enhancing of effectiveness and efficiency of the equipment

2 Input Stream Management

Foundational	Developing	Progressive	Aspirational
Management of raw materials and intermediates			
<ul style="list-style-type: none"> ■ Responsibility for purchasing defined ■ Receiving inspection is carried out and data recorded (type and quantity of delivered materials) 	<ul style="list-style-type: none"> ■ Materials are purchased against specifications (e.g. APEO free) 	<ul style="list-style-type: none"> ■ Company acts proactively regarding substitution of environmental friendly/low contaminant materials 	<ul style="list-style-type: none"> ■ Company can demonstrate success in purchasing environmental friendly/low contaminant materials
Supplier evaluation			
<ul style="list-style-type: none"> ■ Supplier list (supplier name, address, related raw materials) given 	<ul style="list-style-type: none"> ■ Systematic supplier evaluation (incl. rating) at hand ■ Supplier evaluation can have consequences for supplier selection (e.g. phase out of non-compliance suppliers) 	<ul style="list-style-type: none"> ■ Supplier evaluation is part of management system and management review 	<ul style="list-style-type: none"> ■ Most important suppliers are assessed regularly by company (or bluesign technologies) with respect to EHS performance and raw material qualities
Testing (esp. non bluesign® APPROVED chemicals/raw materials/intermediates)			
<ul style="list-style-type: none"> ■ Occasional tests for substances (mostly in case of issues) 	<ul style="list-style-type: none"> ■ Increased testing of hot spots ■ Tests according to bluesign® CRITERIA and advice from BLUESIGN performed 	<ul style="list-style-type: none"> ■ Regular, systematical and proactive testing established company wide ■ All relevant impurities considered, first deliveries are checked more in detail, testing depends on supplier rating 	<ul style="list-style-type: none"> ■ Testing is part of management system ■ Statistics; tests are systematically evaluated for continuous improvement
Chemicals management			
<ul style="list-style-type: none"> ■ SDS and TDS for all chemical products at hand ■ Responsibility for purchasing of chemicals defined ■ Receiving inspection is carried out and data recorded (type and quantity of delivered chemicals) 	<ul style="list-style-type: none"> ■ Non bluesign® approved chemicals are purchased against specifications (e.g. APEO-free, free of toxic azoamines; ZDHC conformity) ■ For non bluesign® approved chemicals risk assessments are performed before purchasing 	<ul style="list-style-type: none"> ■ Company sets targets for substitution and minimizing of chemicals 	<ul style="list-style-type: none"> ■ Company can demonstrate and communicates success in chemicals management
Share of manufactured bluesign® APPROVED materials (applies only to textile manufacturer)			
<ul style="list-style-type: none"> ■ ≥ 5 % 	<ul style="list-style-type: none"> ■ ≥ 25 % 	<ul style="list-style-type: none"> ■ ≥ 50 % 	<ul style="list-style-type: none"> ■ ≥ 75 %

3 Resources

Foundational	Developing	Progressive	Aspirational
Management			
<ul style="list-style-type: none"> Single resource saving management measures are applied 	<ul style="list-style-type: none"> Target setting/review Program with measures, schedule, responsibilities and budget given 	<ul style="list-style-type: none"> Reuse and recycling efforts Own systematic proactive efforts for resource saving (e.g. overall plan for energy and water saving) OR External audits (energy audit, etc.) 	<ul style="list-style-type: none"> Resource management is part of the company strategy Success on resource saving can be demonstrated and is communicated (homepage, conferences, environmental report, etc.)
Monitoring			
<ul style="list-style-type: none"> Most important resource figures known for company level 	<ul style="list-style-type: none"> All relevant resource figures (water, energy, chemicals, other raw materials) are continuously recorded and evaluated (at least at company level) Basic KPIs established (e.g. total water consumption, total energy consumption) 	<ul style="list-style-type: none"> Comprehensive monitoring (e.g. monitoring exceeds company level (department level, machine level); well documented results; statistics; on-line measurements; detailed and systematic tracking of resource consumptions) More detailed KPIs established Internal/external benchmarking 	<ul style="list-style-type: none"> Monitoring is part of the continuous improvement program of the company Production data acquisition includes resource data Yearly management review
Equipment, processes			
<ul style="list-style-type: none"> Several resource saving measures (e.g. prevention of leaks, thermal insulation, switching of lights, etc.) 	<ul style="list-style-type: none"> Important resource saving techniques installed (e.g. heat exchanger, closed loop for cooling water) 	<ul style="list-style-type: none"> Systematic investment in resource saving equipment/modifying processes 	<ul style="list-style-type: none"> BAT equipment installed

Foundational	Developing	Progressive	Aspirational
Renewable energy			
■ $\geq 5\%$	■ $\geq 25\%$	■ $\geq 50\%$	■ $\geq 75\%$
Water (applies only to textile manufacturer) [l/kg]			
■ ≤ 250	■ ≤ 150	■ ≤ 100	■ ≤ 75
Energy (applies only to textile manufacturer) [kWh/kg]			
■ ≤ 25	■ ≤ 20	■ ≤ 15	■ ≤ 10

4 Environment

Foundational	Developing	Progressive	Aspirational
Wastewater			
Management (direct and indirect discharge)			
<ul style="list-style-type: none"> Valid permits for discharge available 	<ul style="list-style-type: none"> Single actions to reduce impact (load/volume/toxicity) (e.g. one or more water saving machine(s) installed; low emission processes) 	<ul style="list-style-type: none"> Systematic efforts to reduce impact (load/volume/toxicity) Reduction plans; target setting; key figures; installation of new machines/processes considers wastewater impact Treatment of partial streams (if relevant) 	<ul style="list-style-type: none"> Wastewater management is part of the company strategy Success on lowering impact can be demonstrated and is communicated to relevant stakeholders (homepage, conferences, environmental report)
Monitoring (in case of indirect discharge without on-site pre-treatment: only monitoring of unpurified wastewater to be considered)			
<ul style="list-style-type: none"> Monitoring follows legal instructions 	<ul style="list-style-type: none"> Monitoring exceeds legal instructions (e.g. additional parameters; additional measuring points. Voluntary self-monitoring, shorter measuring intervals; occasional tracking of sources, volumes, loads) Monitoring allows proper operation of WWTP Basic emission register (summary on important emission ports and connected machines) 	<ul style="list-style-type: none"> Detailed emission register (all emission ports with typical emission data are listed) Also part streams monitored Well documented test results; statistics; key figures; on-line measurements 	<ul style="list-style-type: none"> Monitoring is part of the company's continuous improvement program (e.g. yearly management review) Company can demonstrate that monitoring is used to increase WWTP efficiency and to lower impact

WWTP (on-site treatment: direct discharge and on-site pre-treatment for indirect discharge)			
<ul style="list-style-type: none"> ■ In place and proper operation ■ Appropriate sludge disposal ■ General understanding of wastewater emission loads and also treatment steps with good documentation (e.g. flow chart) available 	<ul style="list-style-type: none"> ■ WWTP in good condition; effectiveness monitored and recorded (e.g. good maintenance recognizable; inspections to ensure effectiveness; measurement devices well-kept; WWTP lab with good housekeeping) ■ Incidents recorded ■ Procedures/equipment in place for direct response in case of incidents/irregularities (e.g. scenario for heavy rainfall) ■ Educated staff ■ In case of indirect discharge: good cooperation with external WWTP 	<ul style="list-style-type: none"> ■ Wastewater treatment system optimized (e.g. SOPs for operation well-documented; sophisticated WWTP lab; high efficiency for the most important loads; engineers with deep knowledge on WWTP, automatically controlled) ■ Resource aspects considered (energy saving, saving of chemicals) 	<ul style="list-style-type: none"> ■ WWTP sets standard for the industry; BAT implemented for wastewater purification; forward looking technique, tailor-made process steps
Discharge parameters (direct discharge)			
<ul style="list-style-type: none"> ■ Legal industry specific limits kept (occasional deviations which are followed by efficient actions can be accepted) 	<ul style="list-style-type: none"> ■ BLUESIGN limits kept (Occasional deviations which are followed by efficient actions can be accepted) 	<ul style="list-style-type: none"> ■ Discharge figures publicly available (at least the most important figures; homepage, environmental report, internet platform (NGO, governmental)) 	<ul style="list-style-type: none"> ■ Voluntarily lower and/or additional limit values defined
Discharge parameters (indirect discharge)			
<ul style="list-style-type: none"> ■ Third party WWTP in place (address given) ■ Limits for discharge to third party WWTP kept 	<ul style="list-style-type: none"> ■ Principle and discharge limits from third party WWTP known ■ Good contacts to third party WWTP ■ BLUESIGN limits kept at third party WWTP (Occasional deviations which are followed by efficient actions can be accepted) 	<ul style="list-style-type: none"> ■ Discharge figures from third party WWTP publicly available 	<ul style="list-style-type: none"> ■ Voluntarily lower and/or additional limit values for discharge to third party WWTP defined
Air Emission			
CO ₂ footprint [kg CO ₂ /kg textile] (applies only to textile manufacturer)			
<ul style="list-style-type: none"> ■ ≤ 8 	<ul style="list-style-type: none"> ■ ≤ 6 	<ul style="list-style-type: none"> ■ ≤ 4 	<ul style="list-style-type: none"> ■ ≤ 2

Foundational	Developing	Progressive	Aspirational
Air emission supply units			
Solid fuel			
<i>Emissions Dust [mg/Nm³]</i>			
≤ 80	≤ 60	≤ 40	≤ 20
<i>Emissions NOx [mg/Nm³]</i>			
≤ 600	≤ 450	≤ 300	≤ 150
<i>Emissions SO₂ [mg/Nm³]</i>			
≤ 1400	≤ 1050	≤ 700	≤ 350
Liquid fuel			
<i>Emissions Dust [mg/Nm³]</i>			
≤ 125	≤ 100	≤ 75	≤ 50
<i>Emissions NOx [mg/Nm³]</i>			
≤ 450	≤ 360	≤ 270	≤ 180
<i>Emissions SO₂ [mg/Nm³]</i>			
≤ 400	≤ 200	≤ 100	≤ 50
Gaseous fuel			
<i>Emissions Dust [mg/Nm³]</i>			
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<i>Emissions NOx [mg/Nm³]</i>			
≤ 250	≤ 200	≤ 150	≤ 100
<i>Emissions SO₂ [mg/Nm³]</i>			
≤ 40	≤ 20	≤ 10	≤ 5
Oxygen reference: solid fuel: 7 %; liquid and gaseous fuel: 3 %. One averaged scoring point per fuel. If more than one type of fuel is used, a weighted total average is calculated. Valid for power generations with a nominal capacity of more than 1 MW			

Foundational	Developing	Progressive	Aspirational
Process emissions			
Management			
<ul style="list-style-type: none"> Valid permits available (general and/or machine specific permits (depends on local legislation)) 	<ul style="list-style-type: none"> Single actions to reduce impact (volume, odor, particles, VOC, toxic substances) given (e.g. low-emission processes installed; filters installed; change to low emission chemicals; actions to reduce VOC) 	<ul style="list-style-type: none"> Systematic efforts to reduce impact (volume, odor, particles, VOC, toxic substances) Reduction plans, target setting, schedules, budget Installation of new machines considers air emission impact 	<ul style="list-style-type: none"> Off-gas management is part of the company strategy Success on lowering impact can be demonstrated and is communicated to relevant stakeholders (homepage, conferences, environmental report)
Monitoring			
<ul style="list-style-type: none"> Monitoring follows legal instructions 	<ul style="list-style-type: none"> Monitoring exceeds legal instructions (e.g. additional parameters; additional measuring points. Voluntary self-monitoring, shorter measuring intervals) VOC mass balance (if VOC relevant) Basic emission register (summary on important emission ports and connected machines) 	<ul style="list-style-type: none"> Comprehensive monitoring (well documented data; mass balance; statistics; key figures; on-line measurements) Detailed emission register (all emission ports with typical emission data are listed) 	<ul style="list-style-type: none"> Monitoring is part of the company's continuous improvement program Yearly management review; company can demonstrate that monitoring is used to increase off-gas abatement efficiency and to lower impact
Off-gas treatment system			
<ul style="list-style-type: none"> In place Proper operation 	<ul style="list-style-type: none"> Cleaning system in good condition (e.g. good maintenance; inspections to ensure effectiveness, measurement devices well-maintained) Educated staff 	<ul style="list-style-type: none"> Cleaning system optimized (e.g. SOPs for operation well-documented; high efficiency for the most important loads; engineers with deep knowledge; automatically controlled; procedures in place for direct response in case of incidents/irregularities) 	<ul style="list-style-type: none"> Cleaning system sets standard for the industry (BAT; forward looking technique, tailor-made equipment) RTO for VOC relevant companies with significant emission loads

Foundational	Developing	Progressive	Aspirational
Off-gas parameters			
<ul style="list-style-type: none"> Legal industry specific limits kept (occasional deviations which are followed by efficient actions can be accepted) 	<ul style="list-style-type: none"> BLUESIGN limits kept (occasional deviations which are followed by efficient actions can be accepted) 	<ul style="list-style-type: none"> Discharge figures publicly available (at least the most important figures; homepage, environmental report, internet platform (NGO, governmental)) 	<ul style="list-style-type: none"> Voluntary lower and/or additional limit values defined
Ozone depleting substances			
<ul style="list-style-type: none"> Company has equipment for potential to contain ozone-depleting substances (ODS) (chillers, air conditioning units, etc.) Relevant permits are available and up to date Legal compliance 	<ul style="list-style-type: none"> SOP for maintenance of ODS containing equipment in place Equipment containing ODS is checked regularly to ensure that it is in appropriate working order 	<ul style="list-style-type: none"> Targets for substitution of ODS set 	<ul style="list-style-type: none"> Demonstrable achievements related to reducing ODS
Environmental noise			
<ul style="list-style-type: none"> No obvious violation of legal requirements No qualified neighborhood complaints in the last 3 years OR Neighborhood complaints are followed by appropriate actions 	<ul style="list-style-type: none"> Single measures to prevent high noise levels Occasional sound insulations 	<ul style="list-style-type: none"> Systematic efforts and proactive approach to reduce environmental noise (e.g. reduction plans; target setting; noise register) 	<ul style="list-style-type: none"> Noise management is part of the company strategy Success on lowering noise level can be demonstrated
Waste Management			
<ul style="list-style-type: none"> Valid permits available Contracts/certificates for disposal companies at hand Disposal companies are qualified/accredited Separation of hazardous waste from non-hazardous waste 	<ul style="list-style-type: none"> Separation of all relevant waste types Waste balance for relevant waste types Single actions to reduce waste (e.g. paper, textile, etc. hazardous waste separation, returnable containers, textile waste is reused or recycled by third party) 	<ul style="list-style-type: none"> Systematic efforts to reduce waste (including hazardous waste) Detailed waste balance Reduction plan, target setting, proactive approach Workers well trained on waste separation 	<ul style="list-style-type: none"> Waste management is part of the company strategy Environmental policy includes waste reduction aspects Success on lowering impact can be demonstrated and is communicated to relevant stakeholders (homepage, conferences, environmental report)

Foundational	Developing	Progressive	Aspirational
Emissions Soil and Groundwater			
Precautionary measures			
<ul style="list-style-type: none"> Contamination of soil and ground water is prevented in critical areas by appropriate measures Pipes, tanks, floors and storage places maintained 	<ul style="list-style-type: none"> Maintenance schedules available Third party certificates for tank inspections Protocols for check of floorings, pipes (including underground pipes) 	<ul style="list-style-type: none"> Systematic approach Proactive measures (storm water plan, firefighting water retention etc.) No issues in the last 3 years 	<ul style="list-style-type: none"> Systematic approach for prevention of soil and ground water contamination is part of management system Exemplary, forward-looking approach Periodical review of measures by management
Historical brownfields			
<ul style="list-style-type: none"> No legal issue 	<ul style="list-style-type: none"> Brownfield area is existent and known to authorities; actions prescribed by authorities are ongoing <p>OR</p> <p>History of the site is known; brown fields most likely not given</p>	<ul style="list-style-type: none"> Brownfield area is existent and known to authorities; actions prescribed by authorities are completed <p>OR</p> <p>Brown field status checked with spot checks and if necessary remediation started</p>	<ul style="list-style-type: none"> Where there are no apparent brownfields, detailed voluntary status reports available as confirmation that there are no contaminations In case of brownfields known to authorities: remediation exceeds the measures defined by authorities In case of remediation on voluntary basis: remediation finished and also checked by external expert Communication to relevant stakeholders

5 Occupational Health & Safety and Emergency Preparedness

Foundational	Developing	Progressive	Aspirational
OH&S Management			
<ul style="list-style-type: none"> Meeting legal requirements No severe incident without an effective and documented follow-up action in the last 3 years Responsibility defined 	<ul style="list-style-type: none"> Risk assessments for most important working places given Safety instructions existent; safety signs existent Necessary protective equipment in good order and used Records on work accidents and corrective actions at hand 	<ul style="list-style-type: none"> Comprehensive risk assessments with follow-up Employees involved in risk assessments Zero incident target Management is informed annually on issues and improvement (management review) Significant investment in OH&S equipment Pro-active approach (STOP principle: Substitution, Technical measures, Organizational measures, PPE) 	<ul style="list-style-type: none"> Certified OH&S management system installed No incident subject to reporting in the last 3 years
Training			
<ul style="list-style-type: none"> Workers have basic knowledge (occasional trainings) New workers receive initial training 	<ul style="list-style-type: none"> Regular yearly trainings (training on hazardous materials included) Training and information requirements for specific tasks are clearly defined Subcontracted workers trained On-the-job instruction Refreshment trainings Training records available Workers have profound knowledge 	<ul style="list-style-type: none"> Comprehensive training program installed Workers have advanced knowledge Training by experts (internal or external); internal trainers are well-educated 	<ul style="list-style-type: none"> Periodical review of training program to ensure that it is up to date and effective; corrective actions Training program and training subject to regular management review
Workplace atmosphere			
<ul style="list-style-type: none"> Legal compliance Measurements at hand (if relevant) 	<ul style="list-style-type: none"> BLUESIGN limits for workplace atmosphere are kept 	<ul style="list-style-type: none"> Systematic monitoring program installed Single/local preventive measures 	<ul style="list-style-type: none"> Precautionary principle as strategy

Foundational	Developing	Progressive	Aspirational
Workplace Noise			
<ul style="list-style-type: none"> ■ No obvious violation of legal requirements ■ Personal hearing protection is provided in relevant areas 	<ul style="list-style-type: none"> ■ Complete noise register; consistent marking of relevant noise areas ■ Hearing protection is used properly 	<ul style="list-style-type: none"> ■ Occasional measures for noise reduction 	<ul style="list-style-type: none"> ■ Systematic approach for active noise protection and reduction (e.g. noise protection considered in purchasing conditions and equipment investments)
Emergency preparedness			
<ul style="list-style-type: none"> ■ Meeting legal requirements ■ Responsibilities defined ■ Several actions (e.g. emergency exits marked, fire extinguisher/hydrants in place, trainings performed, assembly point(s) marked) 	<ul style="list-style-type: none"> ■ Systematic approach based on risk assessments ■ Responsible persons named, well-educated and sufficient (e.g. first aiders, fire fighters) ■ Emergency preparedness plan (alarm list with phone numbers, of internal and external responsibilities) ■ Regular and documented trainings (fire, evacuation) ■ Consistent and sufficient pictograms ■ Emergency devices appropriate, sufficient and maintained (e.g. company has knowledge on type of suitable fire extinguisher) ■ Preparedness for severe accidents (for companies where major accidents can happen due to kind and quantity of hazardous materials stored and processed) 	<ul style="list-style-type: none"> ■ Employees involved in planning emergency preparedness and response ■ Zero incident target ■ Records on incidents and corrective actions at hand ■ Management is informed annually on issues and improvement (management review) ■ High standard of emergency preparedness assured by adopting a comprehensive approach (that includes external experts and authorities) 	<ul style="list-style-type: none"> ■ Emergency preparedness is part of certified OH&S management system and visible in the company

Foundational	Developing	Progressive	Aspirational
Handling and storage of hazardous material			
Management			
<ul style="list-style-type: none"> ■ Meeting legal requirements ■ Actual SDS for all hazardous materials available ■ No severe incident without an effective and documented follow-up action in the last 3 years 	<ul style="list-style-type: none"> ■ Risk assessments performed ■ Hazardous chemicals inventory list established ■ Storage/handling advices in SDS followed ■ Toxic and highly toxic chemicals stored in locked areas 	<ul style="list-style-type: none"> ■ Comprehensive storage concept established (including hazardous waste) 	<ul style="list-style-type: none"> ■ Handling and storage of hazardous materials is part of management system and continuous improvement ■ Systematic proactive measures ■ Periodical review to ensure that storage concept is up to date and effective; corrective actions ■ No incident subject to reporting in the last 3 years
Operations/Equipment			
<ul style="list-style-type: none"> ■ No obvious risk from operation 	<ul style="list-style-type: none"> ■ Equipment maintained ■ Control instruments in good order ■ Appropriate retention measures ■ Proper maintenance and marking of storage areas ■ Pipes clearly marked ■ All containers with hazardous chemicals are correctly labeled ■ Regular control of relevant equipment by experts 	<ul style="list-style-type: none"> ■ Equipment in very good condition ■ Partly automated filling/dosing or other proactive measures to reduce operational risk 	<ul style="list-style-type: none"> ■ Systematic proactive measures to reduce operational risk

6 Usage Share of bluesign® APPROVED Chemicals

Foundational	Developing	Progressive	Aspirational
Usage share of bluesign® APPROVED chemicals (by item)			
■ 5 -25 %	■ > 25 %	■ > 50 %	■ > 75 %
Usage share of bluesign® APPROVED chemicals (by volume)			
■ 5 -25 %	■ > 25 %	■ > 50 %	■ > 75 %

7 Validity

This document comes into effect from 2020-03.

This document is subject to revisions. Details on the revision procedure for regular and unscheduled revisions are compiled in the *bluesign® SYSTEM* document.

Disclaimer

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