

```
1  <?xml version="1.0" encoding="UTF-8"?>
2  <PQX xmlns:pgx="http://idealliance.org/pgx" xmlns:cc="
http://colorexchangeformat.com/CxF3-core" xmlns="http://idealliance.org/pgx"
3  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
4  xsi:schemaLocation="http://idealliance.org/pgx ISO20616-2PQX.xsd">
5  <!-- this sample has a direct color report, a variance registration report and a 1D
barcode report -->
6  <!-- note that InkCollection is not required to support these report types -->
7  <PQXInfo>
8      <PQXDate>2016-08-30</PQXDate>
9      <PQXId>pgx010</PQXId>
10 </PQXInfo>
11 <PrinterInfo>
12     <ParentCompany>ABC Inc.</ParentCompany>
13     <Printer>Printer ABC </Printer>
14     <LocationDesignator>Queens, NY</LocationDesignator>
15     <ContactDesignator>K. Williams</ContactDesignator>
16 </PrinterInfo>
17 <PressRunInfo>
18     <DatePrinted>2016-08-30</DatePrinted>
19     <PrinterLotId>701-123-3331</PrinterLotId>
20     <RunLength TotalRolls="8" TotalMeterage="16000" UoM="ft"/>
21     <PrintMethod>flexography</PrintMethod>
22     <PrintSide>surface</PrintSide>
23     <PressLine>3</PressLine>
24     <PressOperator>John Schmidt</PressOperator>
25     <PrinterJobDescription>WoWs 12 oz bags</PrinterJobDescription>
26     <PrinterJobNumber>Bag012</PrinterJobNumber>
27 </PressRunInfo>
28 <ReporterCollection>
29     <Reporter Id="OID001">
30         <PrinterQA>
31             <ReportingPerson>Jenny Jones</ReportingPerson>
32         </PrinterQA>
33     </Reporter>
34     <Reporter Id="OID002">
35         <QualityServiceProvider>
36             <CompanyName>Service Plus</CompanyName>
37             <LocationDesignator>Trenton, NJ</LocationDesignator>
38             <ContactDesignator>V002</ContactDesignator>
39         </QualityServiceProvider>
40     </Reporter>
41     <Reporter Id="OID003">
42         <AutomatedPressControl>
43             <ControlSystemCompanyName>Precision Control</ControlSystemCompanyName>
44             <ControlSystemBrand>24/7</ControlSystemBrand>
45             <ControlSystemProduct>Defect Patrol</ControlSystemProduct>
46         </AutomatedPressControl>
47     </Reporter>
48 </ReporterCollection>
49 <CustomerItemCollection>
50     <CustomerItem Id="SKU1234" IdDisplayName="SKU">
51         <Customer>
52             <CompanyName>Jupiter Candy, Inc.</CompanyName>
53             <LocationDesignator>Jersey City, NJ</LocationDesignator>
54         </Customer>
55         <ItemDescription>WoWs 12 oz bag</ItemDescription>
56     </CustomerItem>
57 </CustomerItemCollection>
58 <SampleCollection>
59     <Sample>
60         <SampleDescription>
61             <RunPosition Roll="4" Meterage="1234" UoM="ft"/>
62         </SampleDescription>
63         <ColorReport ReportType="direct">
64             <MeasurementSet>
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65     <CustomerItemIdLink>SKU1234</CustomerItemIdLink>
66     <PositionOnSample PositionLabel="image position 1">1</PositionOnSample>
67     <ReporterIdLink>OID002</ReporterIdLink>
68     <Measurement Id="M001">
69         <MeasurementName>baby cheek</MeasurementName>
70         <PatchType>build</PatchType>
71         <CxFSampleObjectIdLink>CC01</CxFSampleObjectIdLink>
72     </Measurement>
73 </MeasurementSet>
74 <MeasurementSet>
75     <CustomerItemIdLink>SKU1234</CustomerItemIdLink>
76     <PositionOnSample PositionLabel="image position 2">2</PositionOnSample>
77     <Measurement Id="M002">
78         <MeasurementName>baby leg</MeasurementName>
79         <PatchType>build</PatchType>
80         <CxFSampleObjectIdLink>CC02</CxFSampleObjectIdLink>
81     </Measurement>
82 </MeasurementSet>
83 <MeasurementSet>
84     <CustomerItemIdLink>SKU1234</CustomerItemIdLink>
85     <PositionOnSample PositionLabel="image position 3">3</PositionOnSample>
86     <Measurement Id="M003">
87         <MeasurementName>baby arm</MeasurementName>
88         <PatchType>build</PatchType>
89         <CxFSampleObjectIdLink>CC03</CxFSampleObjectIdLink>
90     </Measurement>
91 </MeasurementSet>
92 <MeasurementSet>
93     <CustomerItemIdLink>SKU1234</CustomerItemIdLink>
94     <PositionOnSample PositionLabel="image position 4">4</PositionOnSample>
95     <Measurement Id="M004">
96         <MeasurementName>baby diaper</MeasurementName>
97         <PatchType>build</PatchType>
98         <CxFSampleObjectIdLink>CC04</CxFSampleObjectIdLink>
99     </Measurement>
100 </MeasurementSet>
101 </ColorReport>
102 <RegistrationReport>
103     <RegistrationSet>
104         <CustomerItemIdLink>SKU1234</CustomerItemIdLink>
105         <PositionOnSample PositionLabel="right">2</PositionOnSample>
106         <VarianceReport>
107             <MeasuredMax>
108                 <ReporterIdLink>OID001</ReporterIdLink>
109                 <UoM>mm</UoM>
110                 <XMaxOffset>0</XMaxOffset>
111                 <YMaxOffset>.1</YMaxOffset>
112             </MeasuredMax>
113         </VarianceReport>
114     </RegistrationSet>
115 </RegistrationReport>
116 <DefectReport>
117     <OverallVisualAppearance>Excellent</OverallVisualAppearance>
118     <DefectInspectionPercentage>6</DefectInspectionPercentage>
119     <DefectSet>
120         <BasisOfReference>proof</BasisOfReference>
121         <CustomerItemIdLink>SKU1234</CustomerItemIdLink>
122         <PositionOnSample PositionLabel="center">1</PositionOnSample>
123         <ReporterIdLink>OID003</ReporterIdLink>
124         <DefectData>
125             <DefectName>hickey</DefectName>
126             <DefectSeverity>4</DefectSeverity>
127             <DefectSize>
128                 <UoM>mm</UoM>
129                 <DefectXMeasure>.2</DefectXMeasure>
130                 <DefectYMeasure>.2</DefectYMeasure>

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197         </cc:ColorCIELab>
198     <cc:ColorSRGB ColorSpecification="CS1">
199         <cc:R>0</cc:R>
200         <cc:G>0</cc:G>
201         <cc:B>0</cc:B>
202     </cc:ColorSRGB>
203     <cc:ReflectanceSpectrum StartWL="380" ColorSpecification="CS1">
204         0.0179408 0.0189865 0.0196141 0.0201604 0.0208783 0.0202765
205         0.0213902 0.0232448 0.0251621 0.0264493 0.0270566 0.0270034
206         0.026543 0.0255919 0.0244324 0.0238113 0.023676 0.0232761 0.0225849
207         0.0227898 0.0235763 0.0242324 0.0245493 0.024855 0.0254194 0.026301
208         0.0278601 0.0301097 0.0334874 0.0381948 0.0448929
209     </cc:ReflectanceSpectrum>
210 </cc:ColorValues>
211 </cc:Object>
212 <cc:Object ObjectType="Target" Name="2" Id="CxF2">
213     <cc:CreationDate>2007-06-14T00:00:00-08:00</cc:CreationDate>
214     <cc:ColorValues>
215         <cc:ColorCIELab ColorSpecification="CS1">
216             <cc:L>47.83558</cc:L>
217             <cc:A>63.29078</cc:A>
218             <cc:B>36.27213</cc:B>
219         </cc:ColorCIELab>
220         <cc:ColorSRGB ColorSpecification="CS1">
221             <cc:R>255</cc:R>
222             <cc:G>0</cc:G>
223             <cc:B>0</cc:B>
224         </cc:ColorSRGB>
225         <cc:ReflectanceSpectrum StartWL="380" ColorSpecification="CS1">
226             0.0394959 0.041798 0.0431796 0.0443822 0.0390338 0.0363864
227             0.0401547 0.045801 0.0523042 0.0586208 0.0632642 0.0662882
228             0.0659939 0.0596725 0.0527806 0.0512717 0.0512901 0.0460535
229             0.040967 0.0456935 0.072808 0.1577058 0.3328304 0.5322706 0.6631728
230             0.735719 0.7882051 0.8269124 0.8502781 0.8555662 0.8545514
231         </cc:ReflectanceSpectrum>
232     </cc:ColorValues>
233 </cc:Object>
234 <cc:Object ObjectType="Target" Name="3" Id="CxF3">
235     <cc:CreationDate>2007-06-14T00:00:00-08:00</cc:CreationDate>
236     <cc:ColorValues>
237         <cc:ColorCIELab ColorSpecification="CS1">
238             <cc:L>52.16195</cc:L>
239             <cc:A>-53.21359</cc:A>
240             <cc:B>24.27447</cc:B>
241         </cc:ColorCIELab>
242         <cc:ColorSRGB ColorSpecification="CS1">
243             <cc:R>0</cc:R>
244             <cc:G>255</cc:G>
245             <cc:B>0</cc:B>
246         </cc:ColorSRGB>
247         <cc:ReflectanceSpectrum StartWL="380" ColorSpecification="CS1">
248             0.0500373 0.0529538 0.0547041 0.0562278 0.0502124 0.0479022
249             0.0544671 0.0661263 0.0840292 0.1114338 0.1520483 0.2062589
250             0.2682531 0.326511 0.3642259 0.3656585 0.3313409 0.2717831
251             0.2057186 0.1520292 0.1141689 0.0895804 0.0719077 0.06089 0.0577832
252             0.0595514 0.0638797 0.0676989 0.065115 0.0551294 0.0502973
253         </cc:ReflectanceSpectrum>
254     </cc:ColorValues>
255 </cc:Object>
256 <cc:Object ObjectType="Target" Name="4" Id="CxF4">
257     <cc:CreationDate>2007-06-14T00:00:00-08:00</cc:CreationDate>
258     <cc:ColorValues>
259         <cc:ColorCIELab ColorSpecification="CS1">
260             <cc:L>84.73233</cc:L>
261             <cc:A>7.452961</cc:A>
262             <cc:B>87.97715</cc:B>
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245         </cc:ColorCIELab>
246         <cc:ColorSRGB ColorSpecification="CS1">
247             <cc:R>255</cc:R>
248             <cc:G>255</cc:G>
249             <cc:B>0</cc:B>
250         </cc:ColorSRGB>
251         <cc:ReflectanceSpectrum StartWL="380" ColorSpecification="CS1">
252             0.0605026 0.0640291 0.0661455 0.0679878 0.0524093 0.0359736
253             0.035457 0.0417389 0.0533082 0.073329 0.1070478 0.1586168 0.2310738
254             0.3250051 0.4342795 0.5427903 0.6371487 0.7056844 0.7457175
255             0.7729036 0.7897722 0.8035986 0.8118215 0.8185136 0.8266505
256             0.836614 0.8503525 0.8625064 0.8704931 0.8694585 0.8667
257         </cc:ReflectanceSpectrum>
258     </cc:ColorValues>
259 </cc:Object>
260 <cc:Object ObjectType="Target" Name="5" Id="CxF5">
261     <cc:CreationDate>2007-06-14T00:00:00-08:00</cc:CreationDate>
262     <cc:ColorValues>
263         <cc:ColorCIELab ColorSpecification="CS1">
264             <cc:L>31.09664</cc:L>
265             <cc:A>19.62852</cc:A>
266             <cc:B>-68.17483</cc:B>
267         </cc:ColorCIELab>
268         <cc:ColorSRGB ColorSpecification="CS1">
269             <cc:R>0</cc:R>
270             <cc:G>0</cc:G>
271             <cc:B>255</cc:B>
272         </cc:ColorSRGB>
273         <cc:ReflectanceSpectrum StartWL="380" ColorSpecification="CS1">
274             0.2040332 0.2159256 0.2230628 0.2292757 0.2487186 0.3115857
275             0.411832 0.4976076 0.5266417 0.4969699 0.4087178 0.309161 0.2258191
276             0.1496591 0.0904506 0.0595696 0.0447488 0.0316704 0.0224275
277             0.0205225 0.0245776 0.0314927 0.0350003 0.0344232 0.0340055
278             0.0351085 0.0375476 0.0397041 0.0395895 0.0383262 0.0401417
279         </cc:ReflectanceSpectrum>
280     </cc:ColorValues>
281 </cc:Object>
282 <cc:Object ObjectType="Target" Name="6" Id="CxF6">
283     <cc:CreationDate>2007-06-14T00:00:00-08:00</cc:CreationDate>
284     <cc:ColorValues>
285         <cc:ColorCIELab ColorSpecification="CS1">
286             <cc:L>42.18239</cc:L>
287             <cc:A>72.47397</cc:A>
288             <cc:B>-6.191576</cc:B>
289         </cc:ColorCIELab>
290         <cc:ColorSRGB ColorSpecification="CS1">
291             <cc:R>255</cc:R>
292             <cc:G>0</cc:G>
293             <cc:B>255</cc:B>
294         </cc:ColorSRGB>
295         <cc:ReflectanceSpectrum StartWL="380" ColorSpecification="CS1">
296             0.1737137 0.1838388 0.1899154 0.195205 0.2216309 0.2488606
297             0.2300285 0.183259 0.1348055 0.0953796 0.0659548 0.0492479
298             0.0388046 0.0302896 0.0253562 0.0240657 0.0237452 0.0221576
299             0.0214026 0.0247324 0.0391222 0.0926126 0.2296512 0.4139012
300             0.5545483 0.646056 0.7165921 0.7704521 0.8057039 0.8212401 0.8288255
301         </cc:ReflectanceSpectrum>
302     </cc:ColorValues>
303 </cc:Object>
304 <cc:Object ObjectType="Target" Name="7" Id="CxF7">
305     <cc:CreationDate>2007-06-14T00:00:00-08:00</cc:CreationDate>
306     <cc:ColorValues>
307         <cc:ColorCIELab ColorSpecification="CS1">
308             <cc:L>53.86062</cc:L>
309             <cc:A>-32.03588</cc:A>
310             <cc:B>-50.47664</cc:B>
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293         </cc:ColorCIELab>
294     <cc:ColorSRGB ColorSpecification="CS1">
295         <cc:R>0</cc:R>
296         <cc:G>255</cc:G>
297         <cc:B>255</cc:B>
298     </cc:ColorSRGB>
299     <cc:ReflectanceSpectrum StartWL="380" ColorSpecification="CS1">
300         0.3027707 0.3204181 0.3310091 0.3402286 0.3734853 0.4655905
301         0.5806687 0.6569923 0.7013488 0.7265297 0.7158673 0.6793929
302         0.6228787 0.5473398 0.4562548 0.3575816 0.2658275 0.1874653
303         0.1277283 0.0888014 0.0658131 0.0532985 0.0459692 0.042688 0.042876
304         0.0448763 0.048058 0.0508367 0.0507909 0.0494671 0.0533715
305     </cc:ReflectanceSpectrum>
306 </cc:ColorValues>
307 </cc:Object>
308 <cc:Object ObjectType="Target" Name="8" Id="CxF8">
309     <cc:CreationDate>2007-06-14T00:00:00-08:00</cc:CreationDate>
310     <cc:ColorValues>
311         <cc:ColorCIELab ColorSpecification="CS1">
312             <cc:L>94.70894</cc:L>
313             <cc:A>-0.7244731</cc:A>
314             <cc:B>-0.9096772</cc:B>
315         </cc:ColorCIELab>
316         <cc:ColorSRGB ColorSpecification="CS1">
317             <cc:R>255</cc:R>
318             <cc:G>255</cc:G>
319             <cc:B>255</cc:B>
320         </cc:ColorSRGB>
321         <cc:ReflectanceSpectrum StartWL="380" ColorSpecification="CS1">
322             0.6162965 0.6522182 0.6737764 0.6925429 0.7564381 0.8507496
323             0.8845099 0.8943043 0.8993778 0.9018077 0.9029564 0.902554
324             0.8990617 0.8942279 0.8881877 0.8790362 0.8731881 0.8666482
325             0.8568169 0.8537456 0.8516415 0.8538377 0.8553225 0.8584948
326             0.8640803 0.8717836 0.883568 0.8941169 0.9017795 0.9028021 0.9028512
327         </cc:ReflectanceSpectrum>
328     </cc:ColorValues>
329 </cc:Object>
330 <cc:Object ObjectType="Target" Name="9" Id="CxF9">
331     <cc:CreationDate>2007-06-14T00:00:00-08:00</cc:CreationDate>
332     <cc:ColorValues>
333         <cc:ColorCIELab ColorSpecification="CS1">
334             <cc:L>61.05326</cc:L>
335             <cc:A>-2.514915</cc:A>
336             <cc:B>1.61321</cc:B>
337         </cc:ColorCIELab>
338         <cc:ColorSRGB ColorSpecification="CS1">
339             <cc:R>168</cc:R>
340             <cc:G>171</cc:G>
341             <cc:B>162</cc:B>
342         </cc:ColorSRGB>
343         <cc:ReflectanceSpectrum StartWL="380" ColorSpecification="CS1">
344             0.1837827 0.1944948 0.2009235 0.2065198 0.2124807 0.2260362
345             0.2460918 0.2727012 0.2995073 0.3192942 0.329667 0.3327025
346             0.3303454 0.3208593 0.3068115 0.2987445 0.2974564 0.2898345
347             0.2762612 0.274731 0.2822749 0.2862227 0.2836448 0.2811003
348             0.2819313 0.2870229 0.2981349 0.3150566 0.3376575 0.3649395
349             0.4003294</cc:ReflectanceSpectrum>
350     </cc:ColorValues>
351 </cc:Object>
352 <cc:Object ObjectType="Target" Name="10" Id="CxF10">
353     <cc:CreationDate>2007-06-14T00:00:00-08:00</cc:CreationDate>
354     <cc:ColorValues>
355         <cc:ColorCIELab ColorSpecification="CS1">
356             <cc:L>60.02327</cc:L>
357             <cc:A>-4.123995</cc:A>
358             <cc:B>0.1984187</cc:B>
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341         </cc:ColorCIELab>
342         <cc:ColorSRGB ColorSpecification="CS1">
343             <cc:R>161</cc:R>
344             <cc:G>169</cc:G>
345             <cc:B>163</cc:B>
346         </cc:ColorSRGB>
347         <cc:ReflectanceSpectrum StartWL="380" ColorSpecification="CS1">
348             0.1817687 0.1923634 0.1987217 0.2042566 0.2098535 0.224557
349             0.2446395 0.2710912 0.297423 0.316514 0.3264722 0.3289758 0.3262464
350             0.3164581 0.30185 0.2931473 0.2907136 0.2817509 0.2665813 0.2626483
351             0.2671444 0.2683765 0.2635556 0.2594944 0.2600299 0.265144
352             0.2760261 0.2917393 0.3101503 0.3298397 0.3589511
353         </cc:ReflectanceSpectrum>
354     </cc:ColorValues>
355 </cc:Object>
356 <cc:Object ObjectType="Target" Name="11" Id="CxF11">
357     <cc:CreationDate>2007-06-14T00:00:00-08:00</cc:CreationDate>
358     <cc:ColorValues>
359         <cc:ColorCIELab ColorSpecification="CS1">
360             <cc:L>60.03784</cc:L>
361             <cc:A>-4.328325</cc:A>
362             <cc:B>2.387008</cc:B>
363         </cc:ColorCIELab>
364         <cc:ColorSRGB ColorSpecification="CS1">
365             <cc:R>160</cc:R>
366             <cc:G>167</cc:G>
367             <cc:B>151</cc:B>
368         </cc:ColorSRGB>
369         <cc:ReflectanceSpectrum StartWL="380" ColorSpecification="CS1">
370             0.169792 0.1796886 0.185628 0.1907983 0.1963844 0.2100741 0.2293837
371             0.2551572 0.2816182 0.302471 0.3150508 0.3205945 0.3206607
372             0.3131613 0.3003536 0.2927082 0.2910055 0.2826684 0.2679694
373             0.264474 0.2691837 0.2704274 0.2658542 0.2619023 0.2623506
374             0.2673064 0.2781138 0.293909 0.3127681 0.3334574 0.3629923
375         </cc:ReflectanceSpectrum>
376     </cc:ColorValues>
377 </cc:Object>
378 </cc:ObjectCollection>
379 <cc:ColorSpecificationCollection>
380     <cc:ColorSpecification Id="CS1">
381         <cc:TristimulusSpec>
382             <cc:Illuminant>D50</cc:Illuminant>
383             <cc:Observer>2_Degree</cc:Observer>
384             <cc:Method>E308_Table5</cc:Method>
385         </cc:TristimulusSpec>
386         <cc:MeasurementSpec>
387             <cc:MeasurementType>Spectrum_Reflectance</cc:MeasurementType>
388             <cc:GeometryChoice>
389                 <cc:SingleAngle>
390                     <cc:SingleAngleConfiguration>Annular
391                     </cc:SingleAngleConfiguration>
392                     <cc:IlluminationAngle>45</cc:IlluminationAngle>
393                     <cc:MeasurementAngle>0.0</cc:MeasurementAngle>
394                 </cc:SingleAngle>
395             </cc:GeometryChoice>
396             <cc:WavelengthRange StartWL="380" Increment="10"/>
397         </cc:MeasurementSpec>
398     </cc:ColorSpecification>
399 </cc:ColorSpecificationCollection>
400 </cc:Resources>
401 </cc:CxF>
402 </CxFSampleData>
403 <DefectImageData>
404     <DefectImage Id="DI01" ImageLink=
405         "https://www.precisioncontrol.com/ABCprinter/images/pqx10/di01.jpg"></DefectImage>
406     <DefectImage Id="DI02" ImageLink=

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393     "https://www.precisioncontrol.com/ABCprinter/images/pqx10/di02.jpg"></DefectImage>  
394 </DefectImageData>  
395 </PQX>
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