



# **Best Practices for Consideration of Residuals and Impurities in the HPD Open Standard 2.1**

Health Product Declaration Collaborative

October 1, 2017, version 1

## Step by Step Process

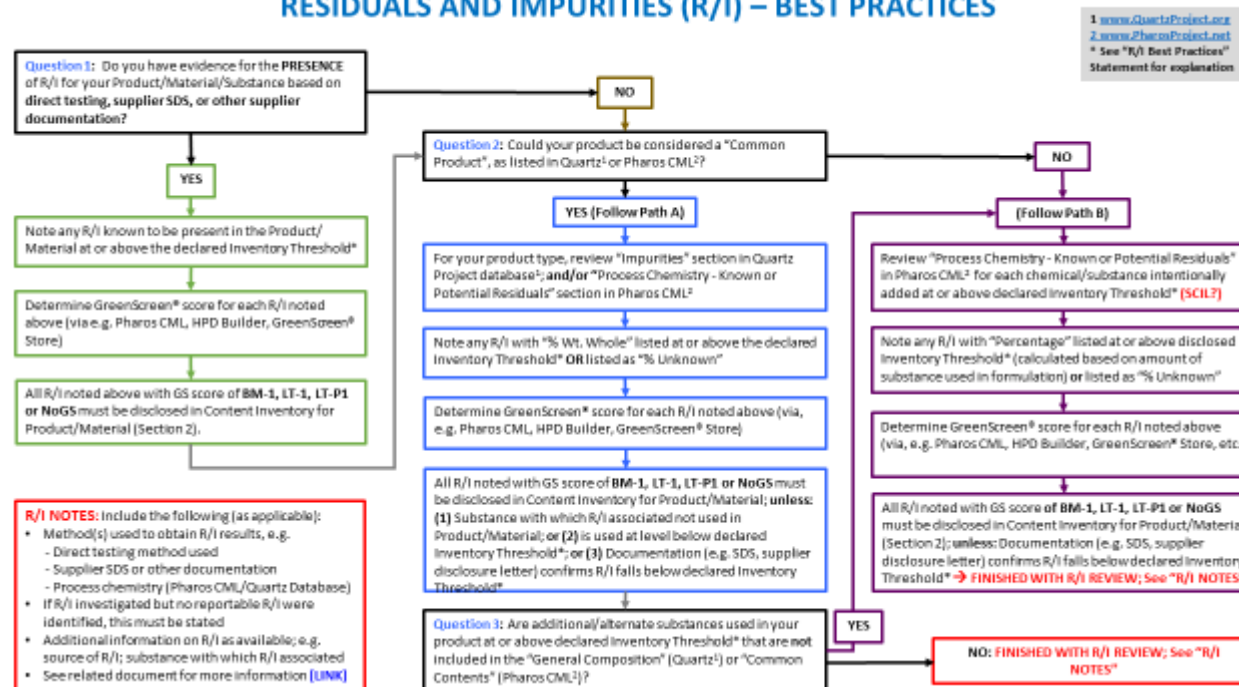
Follow this process, step by step as illustrated in this document

**Question 1:** Do you have evidence for the **PRESENCE** of R/I for your Product/Material/Substance based on **direct testing, supplier SDS, or other supplier documentation?**

**Question 2:** Could your product be considered a “Common Product”, as listed in Quartz or Pharos CML?

**Question 3:** Are additional/alternate substances used in your product at or above declared Inventory Threshold\* that are **not** included in the “General Composition” (Quartz) or “Common Contents” (Pharos CML)?

### RESIDUALS AND IMPURITIES (R/I) – BEST PRACTICES





## Residuals And Impurities (R/I) – Best Practices, 10.02.17, version 1

**Question 1:** Do you have evidence for the **PRESENCE** of R/I for your Product/Material/Substance based on **direct testing, supplier SDS, or other supplier documentation?**



# Residuals And Impurities (R/I) – Best Practices, 10.02.17, version 1

**Question 1:** Do you have evidence for the **PRESENCE** of R/I for your Product/Material/Substance based on **direct testing, supplier SDS, or other supplier documentation?**

YES

Note any R/I known to be present in the Product/Material at or above the declared Inventory Threshold\*

Determine GreenScreen® score for each R/I noted above (via e.g. Pharos CML, HPD Builder, GreenScreen® Store)

All R/I noted above with GS score of **BM-1, LT-1, LT-P1 or NoGS** must be disclosed in Content Inventory for Product/Material (Section 2).

1 [www.QuartzProject.org](http://www.QuartzProject.org)  
2 [www.PharosProject.net](http://www.PharosProject.net)  
\* See “R/I Best Practices”  
Statement for explanation



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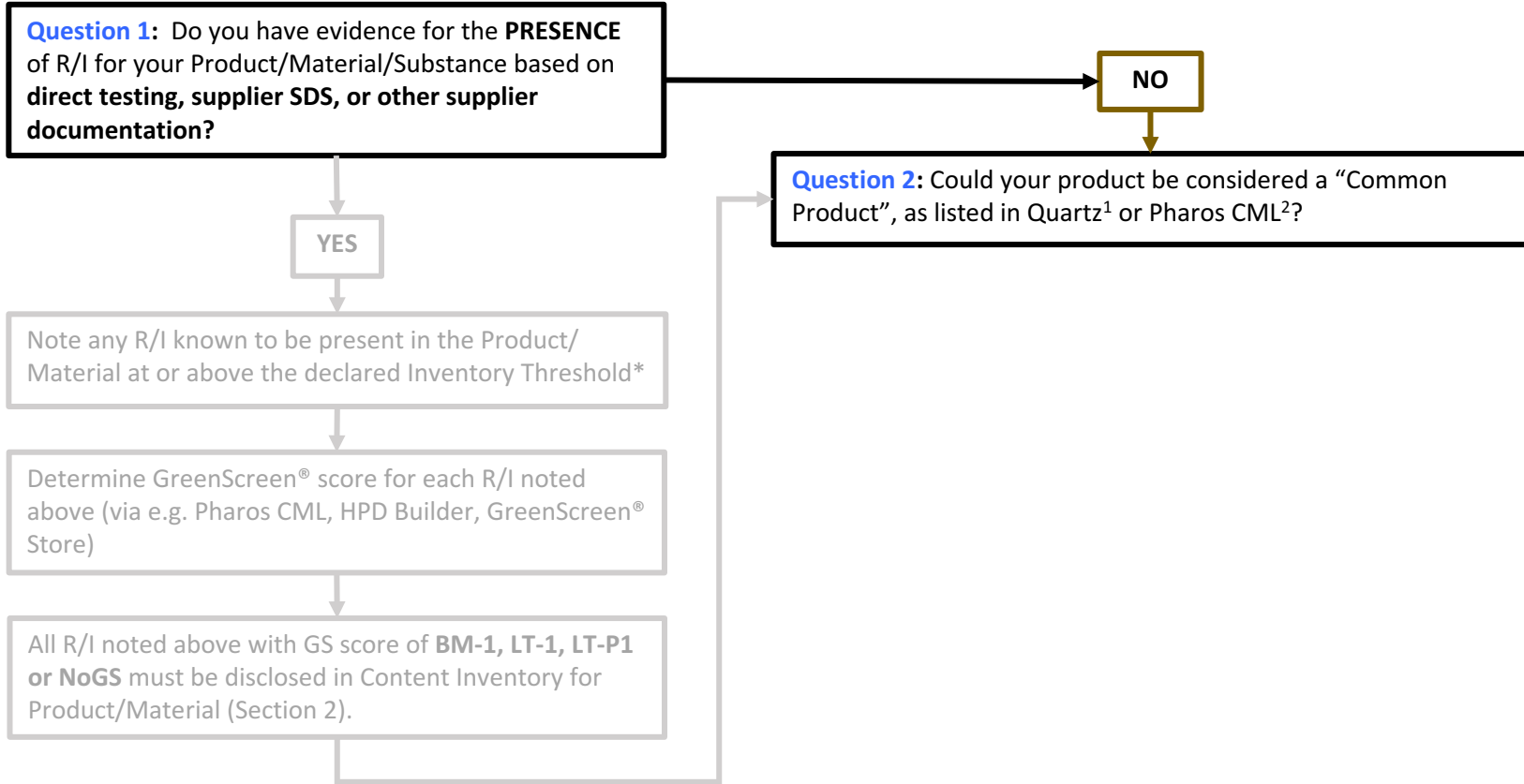
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**Question 2:** Could your product be considered a “Common Product”, as listed in Quartz<sup>1</sup> or Pharos CML<sup>2</sup>?

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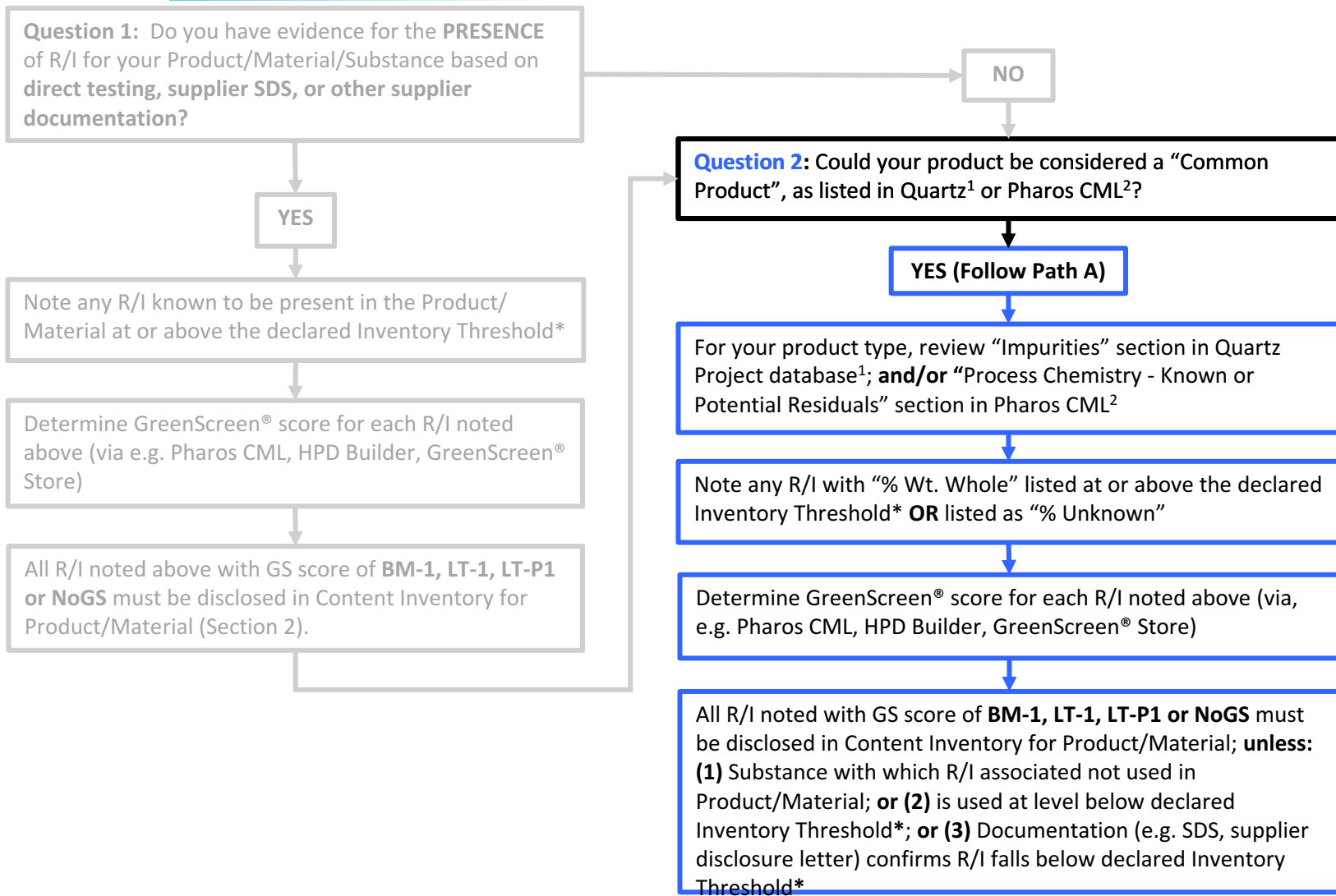


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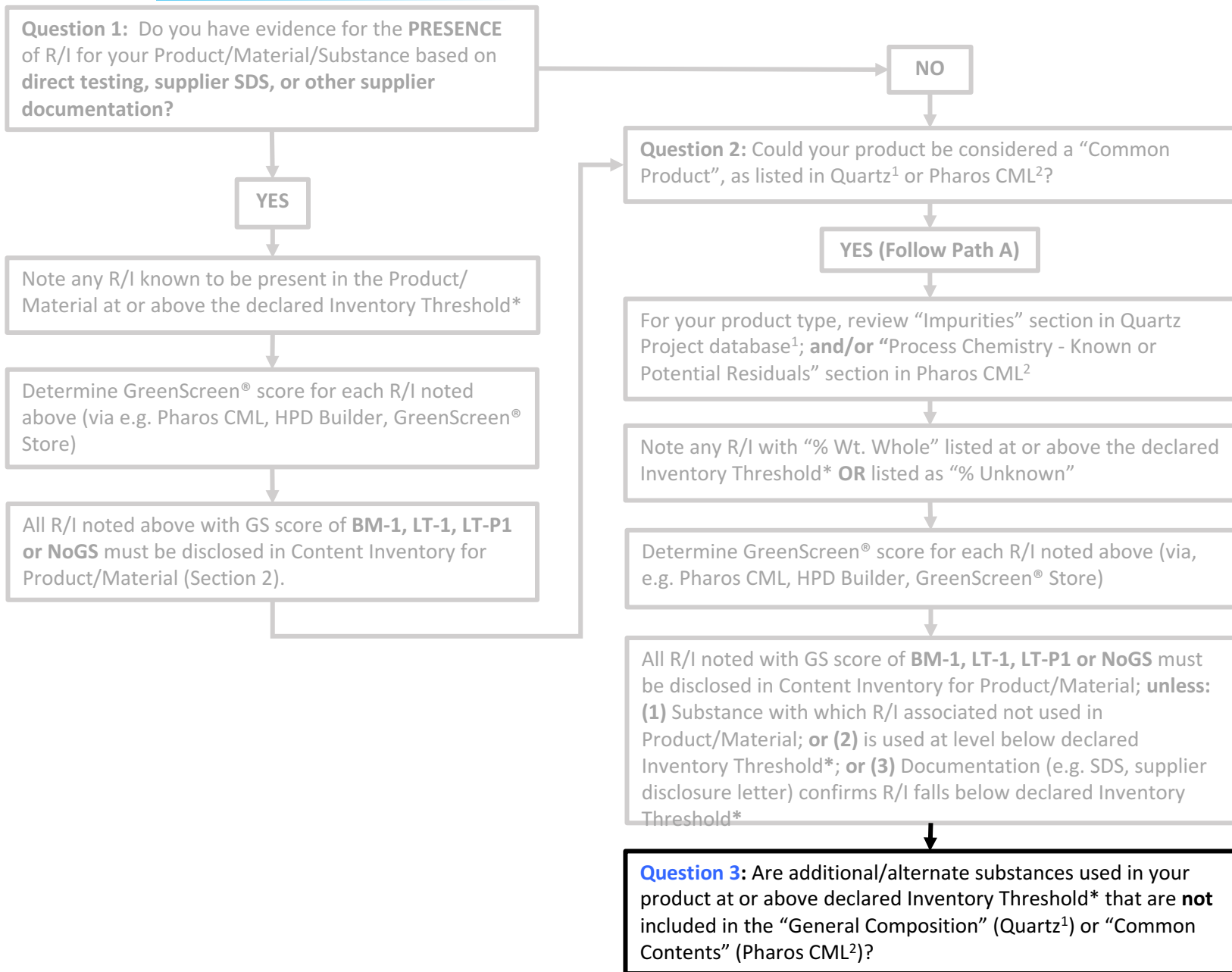
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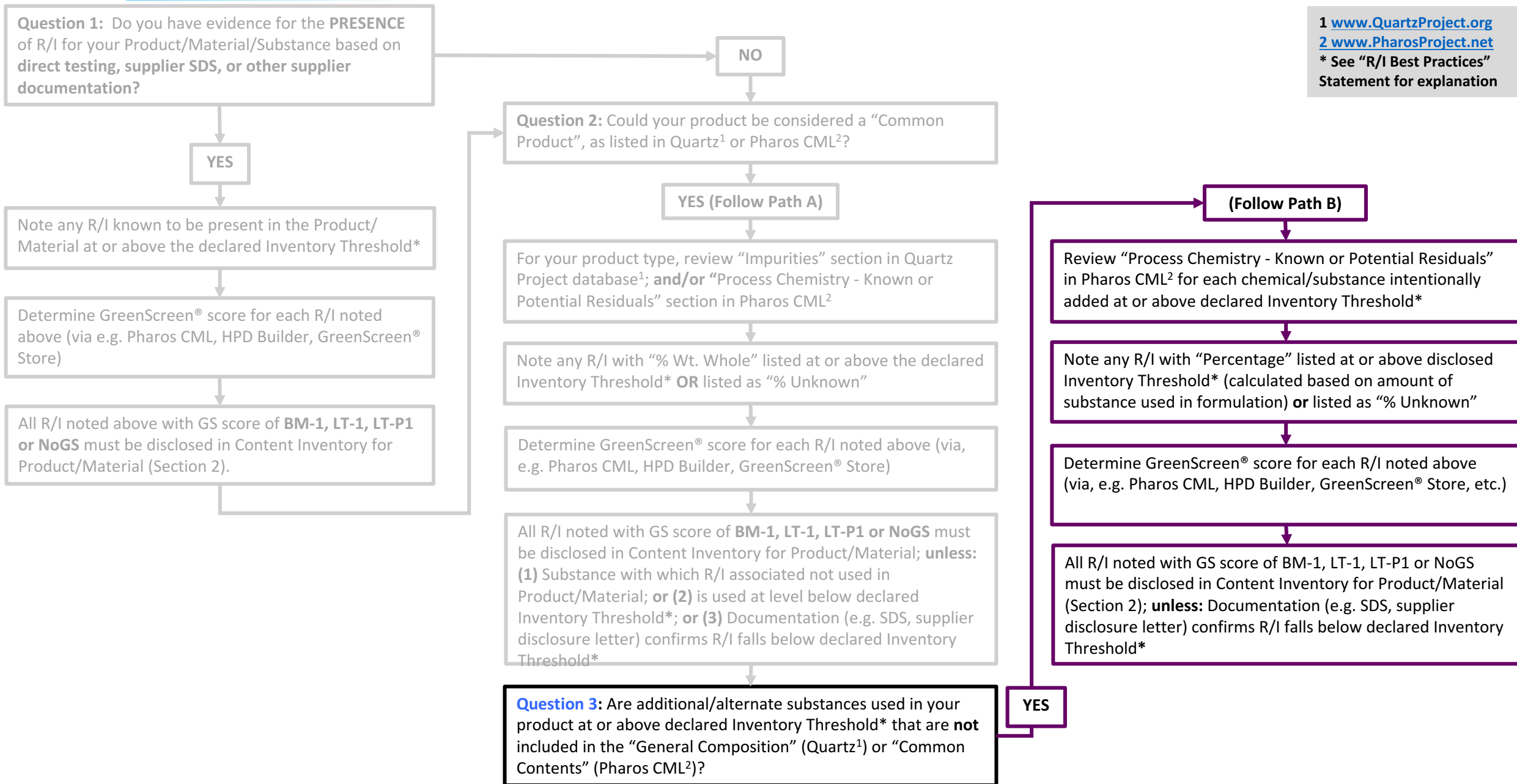






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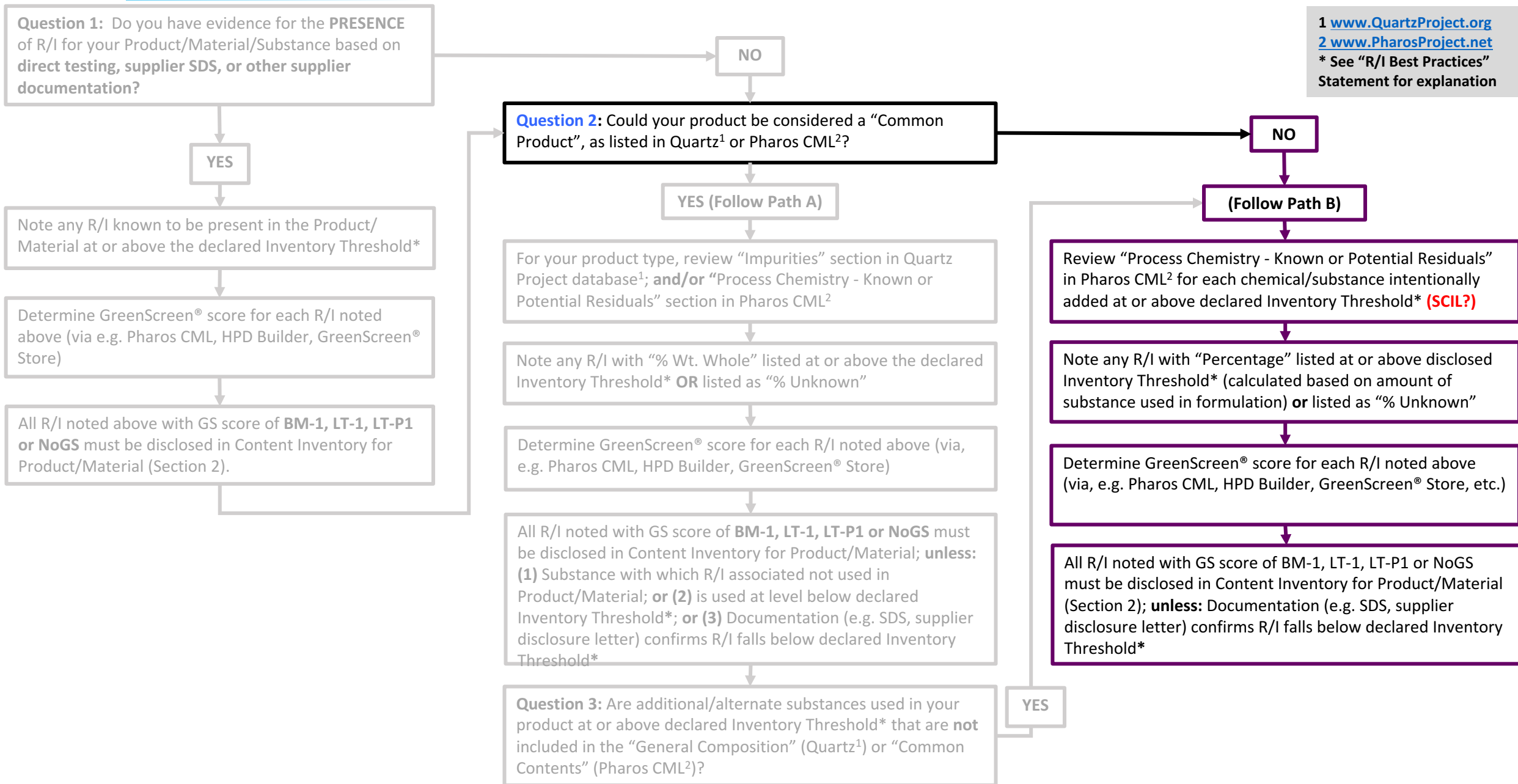
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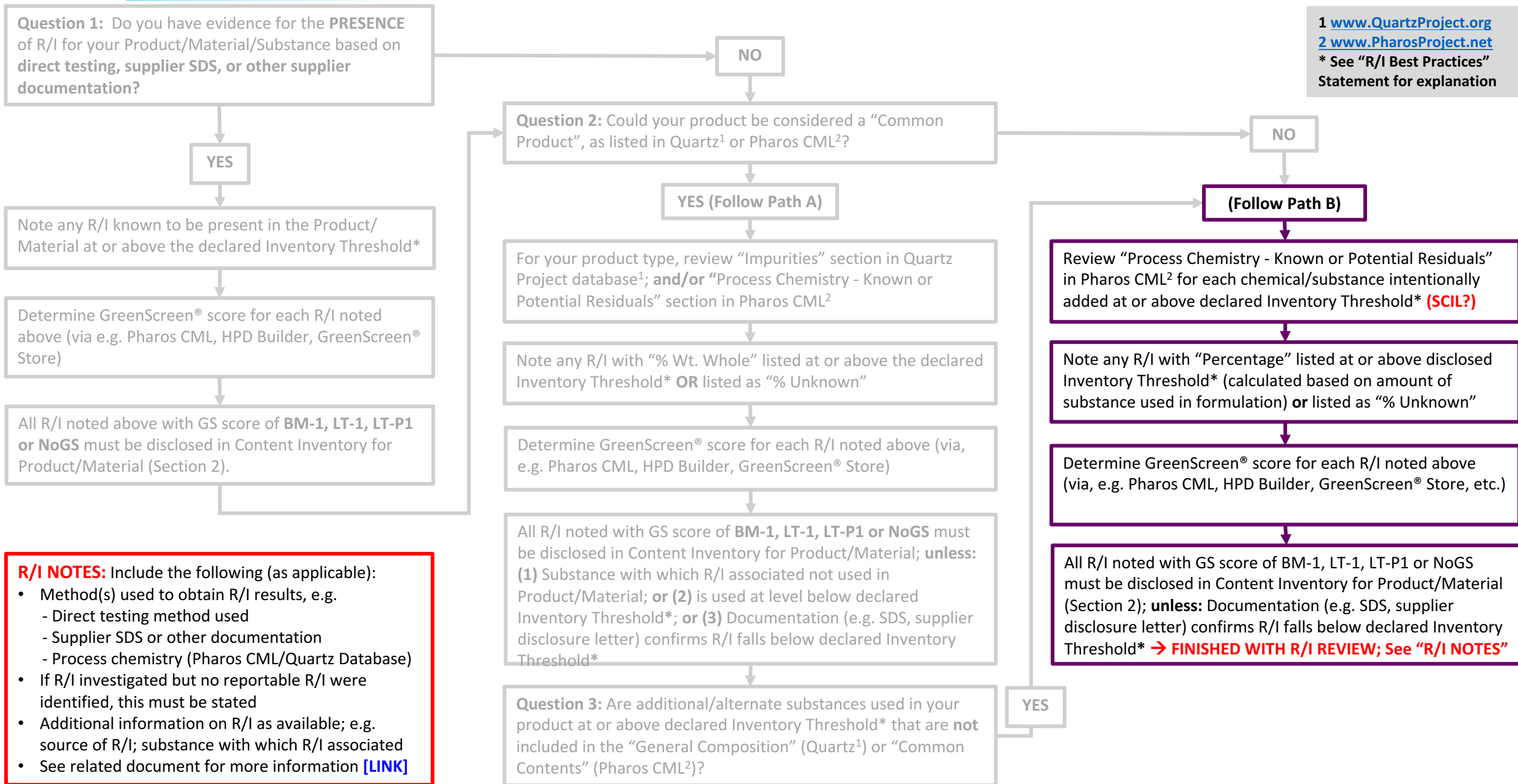


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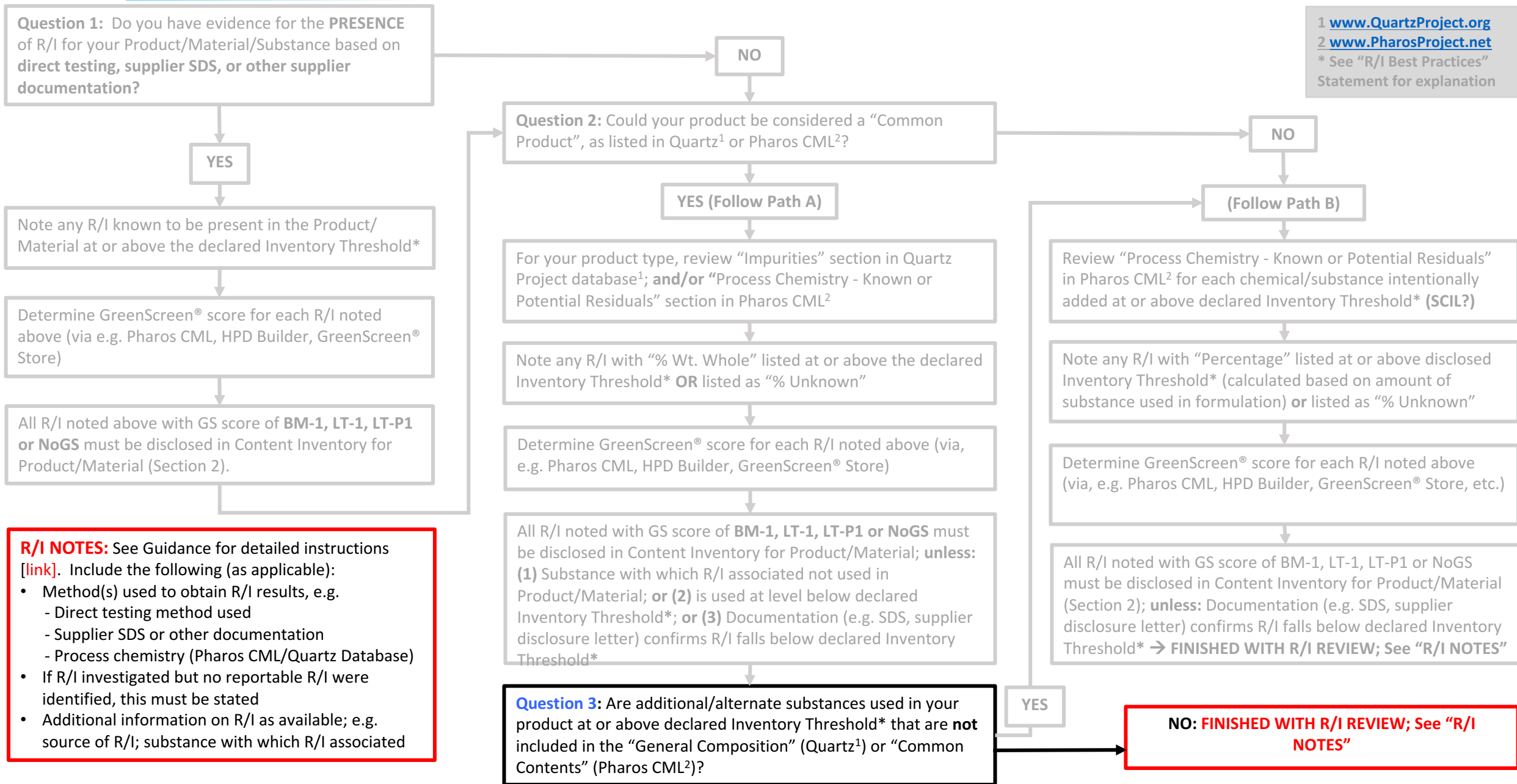
**R/I NOTES:** Include the following (as applicable):

- Method(s) used to obtain R/I results, e.g.
  - Direct testing method used
  - Supplier SDS or other documentation
  - Process chemistry (Pharos CML/Quartz Database)
- If R/I investigated but no reportable R/I were identified, this must be stated
- Additional information on R/I as available; e.g. source of R/I; substance with which R/I associated
- See related document for more information [\[LINK\]](#)



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**R/I NOTES:** See Guidance for detailed instructions [[link](#)]. Include the following (as applicable):

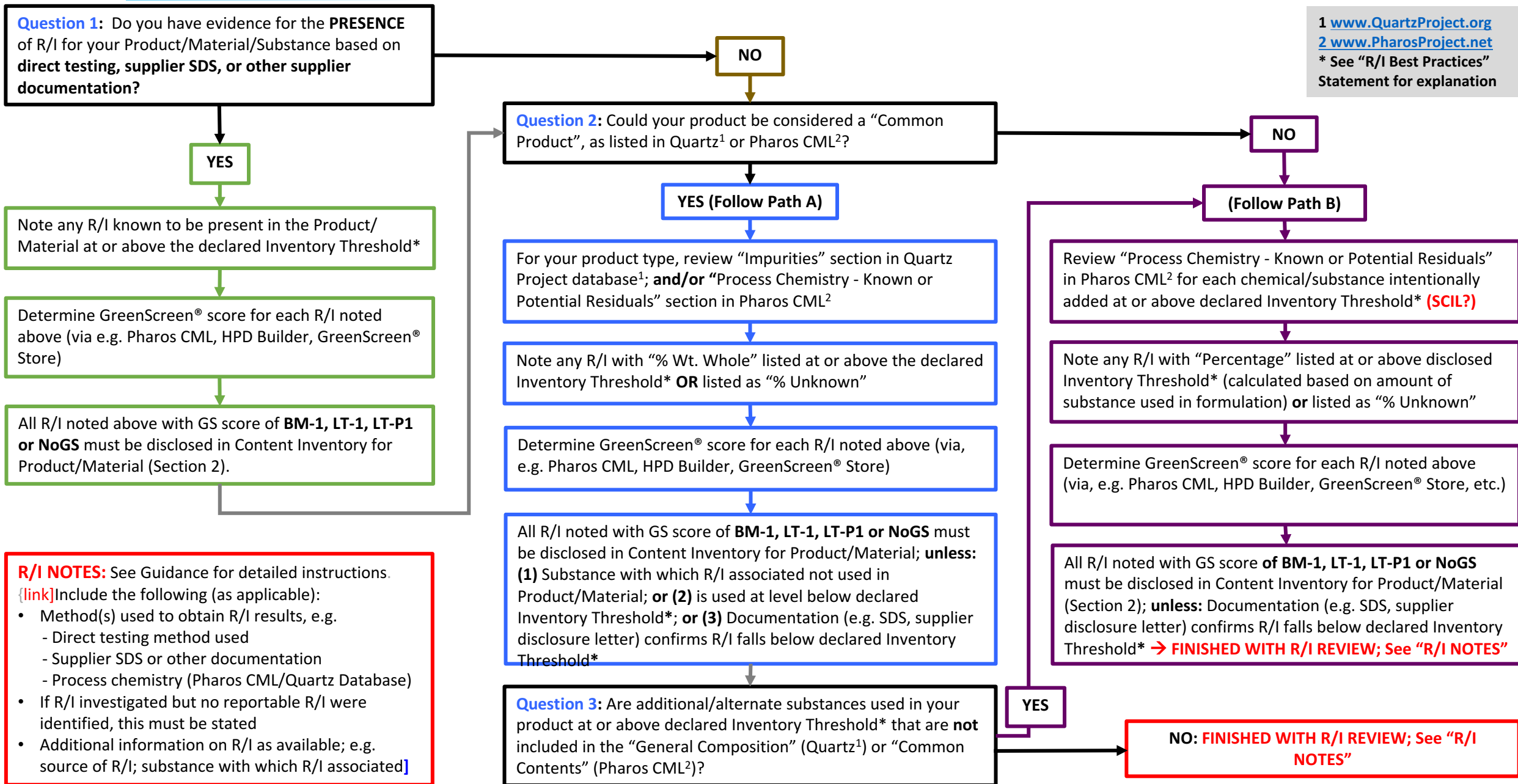
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- Additional information on R/I as available; e.g. source of R/I; substance with which R/I associated

**NO: FINISHED WITH R/I REVIEW; See "R/I NOTES"**



# Residuals And Impurities (R/I) – Best Practices, 10.02.17, version 1

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**Question 1:** Do you have evidence for the **PRESENCE** of R/I for your Product/Material/Substance based on **direct testing, supplier SDS, or other supplier documentation?**

**YES**

Note any R/I known to be present in the Product/Material at or above the declared Inventory Threshold\*

Determine GreenScreen® score for each R/I noted above (via e.g. Pharos CML, HPD Builder, GreenScreen® Store)

All R/I noted above with GS score of **BM-1, LT-1, LT-P1 or NoGS** must be disclosed in Content Inventory for Product/Material (Section 2).

**NO**

**Question 2:** Could your product be considered a “Common Product”, as listed in Quartz¹ or Pharos CML²?

**YES (Follow Path A)**

For your product type, review “Impurities” section in Quartz Project database¹; **and/or** “Process Chemistry - Known or Potential Residuals” section in Pharos CML²

Note any R/I with “% Wt. Whole” listed at or above the declared Inventory Threshold\* **OR** listed as “% Unknown”

Determine GreenScreen® score for each R/I noted above (via, e.g. Pharos CML, HPD Builder, GreenScreen® Store)

All R/I noted with GS score of **BM-1, LT-1, LT-P1 or NoGS** must be disclosed in Content Inventory for Product/Material; **unless:** (1) Substance with which R/I associated not used in Product/Material; **or** (2) is used at level below declared Inventory Threshold\*; **or** (3) Documentation (e.g. SDS, supplier disclosure letter) confirms R/I falls below declared Inventory Threshold\*

**Question 3:** Are additional/alternate substances used in your product at or above declared Inventory Threshold\* that are **not** included in the “General Composition” (Quartz¹) or “Common Contents” (Pharos CML²)?

**YES**

**NO: FINISHED WITH R/I REVIEW; See “R/I NOTES”**

**NO**

**(Follow Path B)**

Review “Process Chemistry - Known or Potential Residuals” in Pharos CML² for each chemical/substance intentionally added at or above declared Inventory Threshold\* (**SCIL?**)

Note any R/I with “Percentage” listed at or above disclosed Inventory Threshold\* (calculated based on amount of substance used in formulation) **or** listed as “% Unknown”

Determine GreenScreen® score for each R/I noted above (via, e.g. Pharos CML, HPD Builder, GreenScreen® Store, etc.)

All R/I noted with GS score of **BM-1, LT-1, LT-P1 or NoGS** must be disclosed in Content Inventory for Product/Material (Section 2); **unless:** Documentation (e.g. SDS, supplier disclosure letter) confirms R/I falls below declared Inventory Threshold\* → **FINISHED WITH R/I REVIEW; See “R/I NOTES”**

**R/I NOTES:** See Guidance for detailed instructions. {link}Include the following (as applicable):

- Method(s) used to obtain R/I results, e.g.
  - Direct testing method used
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  - Process chemistry (Pharos CML/Quartz Database)
- If R/I investigated but no reportable R/I were identified, this must be stated
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