1:1 replacement trial protocol

Potato flakes → ECOCORE dehydrated potato: potato powder, potato granules or potato flour

The dehydrated potato replaces the flakes in the same quantity, at the same dosing stage. Alongside the trial, you make a reference batch with your current raw material – on the same day and in the same shift. Record the results of both batches on this sheet; you decide once you have compared them.

01
Product and fraction
The ECOCORE food technologist recommends the form – powder, granules or flour. If in doubt, you test two fractions with the same recipe.

02
1:1 trial in your process
The same quantity of dehydrated potato as flakes, the same dosing stage. Reference batch with flakes – on the same day, in the same shift.

03
Water correction and decision
If the mixture differs from the reference, you correct the amount of water. If that is not enough, you change the fraction.

A Trial details

Company	Plant / line	Date and shift
Food technologist in charge	Product (name)	Recipe number

B Raw material and dosing

	Reference batch – flakes	Trial batch – ECOCORE dehydrated potato
Raw material and supplier		
ECOCORE product and fraction		☐ powder ☐ granules ☐ flour fraction: _____
Raw material batch number		
Raw material quantity [kg]		
Water quantity [l]		
Water temperature [°C]		
Dosing stage		
Mixing and resting time [min]		

C Assessment

Criterion	Reference batch	Trial batch	Trial compared with reference
Consistency of the mixture			☐ better ☐ same ☐ worse
Product texture			☐ better ☐ same ☐ worse
Colour			☐ better ☐ same ☐ worse
Taste and aroma			☐ better ☐ same ☐ worse
Yield [kg of product]			☐ better ☐ same ☐ worse
Behaviour in the process (forming, heating, freezing)			☐ better ☐ same ☐ worse

D Result and decision

☐ Comparable result – 1:1 replacement, no changes

☐ Water correction: _____ l per _____ kg – repeat the trial

☐ Change of fraction to: _____

☐ Other: _____

If the water correction is not enough, we change the fraction – we do not repeat the trial with the same bag.

Notes

Food technologist – name and signature

Date

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