

Calculation Tool Smoke Primary Products													
Proportional Reduction - Template						EFFA CALCULATION MODEL							
						MD = 1 / Sum (ai/bi)							
		Example 1 2 PP in Sauces (Cat. 12.6)										MD =	
		SF-001	SF-002	SF-003	SF-004	SF-005	SF-006	SF-007	SF-008	SF-009	SF-010	Sum ai/bi	1 / (sum ai/bi)
% PP in flavour formula	%-i	10								15			
proportion pp in formula	ai	0,1								0,15			
Max permitted level	bi (g/kg)	1								0,06			
proportion/max level	ai/bi (kg/g)	0,1								2,5		2,6	0,38
actual conc pp in final food	act. Conc PP	0,0385								0,0577			
% of permitted max level	% of max	3,85								96,15			100,00
		Example 2 3 PP in Herbs, spices & seasonings (Cat. 12.2)										MD =	
		SF-001	SF-002	SF-003	SF-004	SF-005	SF-006	SF-007	SF-008	SF-009	SF-010	Sum ai/bi	1 / (sum ai/bi)
% PP in flavour formula	%-i	4,8			8,4			16,9					
proportion pp in formula	ai	0,048			0,084			0,169					
Max permitted level	bi (g/kg)	2,3			0,18			1					
proportion/max level	ai/bi (kg/g)	0,02087			0,46667			0,169				0,656536	1,52
actual conc pp in final food	act. Conc PP	0,0731			0,1279			0,2574					
% of permitted max level	% of max	3,18			71,08			25,74					100,00
		Example 3 2 PP in meat products (Cat. 8.2)										MD =	
		SF-001	SF-002	SF-003	SF-004	SF-005	SF-006	SF-007	SF-008	SF-009	SF-010	Sum ai/bi	1 / (sum ai/bi)
% PP in flavour formula	%-i	50					50						
proportion pp in formula	ai	0,5					0,5						
Max permitted level	bi (g/kg)	2					4,4						
proportion/max level	ai/bi (kg/g)	0,25					0,11364					0,363636	2,75
actual conc pp in final food	act. Conc PP	1,3750					1,3750						
% of permitted max level	% of max	68,75					31,25						100,00

		Example 4 4 PP in Ready-to-eat savouries and snacks (Cat. 15) (each 25%)										MD =	
		SF-001	SF-002	SF-003	SF-004	SF-005	SF-006	SF-007	SF-008	SF-009	SF-010	Sum ai/bi	1 / (sum ai/bi)
% PP in flavour formula	%-i	25			25			25		25			
proportion pp in formula	ai	0,25			0,25			0,25		0,25			
Max permitted level	bi (g/kg)	2			0,08			1		0,06			
proportion/max level	ai/bi (kg/g)	0,125			3,125			0,25		4,16667		7,666667	0,13
actual conc pp in final food	act. Conc PP	0,0326			0,0326			0,0326		0,0326			
% of permitted max level	% of max	1,63			40,76			3,26		54,35			100,00
		Example 5 4 PP in Ready-to-eat savouries and snacks (Cat. 15) (not equal %)										MD =	
		SF-001	SF-002	SF-003	SF-004	SF-005	SF-006	SF-007	SF-008	SF-009	SF-010	Sum ai/bi	1 / (sum ai/bi)
% PP in flavour formula	%-i	5			10			5		80			
proportion pp in formula	ai	0,05			0,1			0,05		0,8			
Max permitted level	bi (g/kg)	2			0,08			1		0,06			
proportion/max level	ai/bi (kg/g)	0,025			1,25			0,05		13,3333		14,65833	0,07
actual conc pp in final food	act. Conc PP	0,0034			0,0068			0,0034		0,0546			
% of permitted max level	% of max	0,17			8,53			0,34		90,96			100,00
		Example 6 2 PP in Ready-to-eat savouries and snacks (Cat. 15) (each 50%)										MD =	
		SF-001	SF-002	SF-003	SF-004	SF-005	SF-006	SF-007	SF-008	SF-009	SF-010	Sum ai/bi	1 / (sum ai/bi)
% PP in flavour formula	%-i		50							50			
proportion pp in formula	ai		0,5							0,5			
Max permitted level	bi (g/kg)		3							0,06			
proportion/max level	ai/bi (kg/g)		0,16667							8,33333		8,5	0,1176
actual conc pp in final food	act. Conc PP		0,0588							0,0588			
% of permitted max level	% of max		1,96							98,04			100,00
		Example 7 2 PP in Ready-to-eat savouries and snacks (Cat. 15) (not equal %)										MD =	
		SF-001	SF-002	SF-003	SF-004	SF-005	SF-006	SF-007	SF-008	SF-009	SF-010	Sum ai/bi	1 / (sum ai/bi)
% PP in flavour formula	%-i		10							90			
proportion pp in formula	ai		0,1							0,9			
Max permitted level	bi (g/kg)		3							0,06			
proportion/max level	ai/bi (kg/g)		0,03333							15		15,03333	0,0665
actual conc pp in final food	act. Conc PP		0,0067							0,0599			
% of permitted max level	% of max		0,22							99,78			100,00