

Cziper SMASH APA

- Gravity **15.2 BLG**
- ABV **6.3 %**
- IBU **45**
- SRM **4.2**
- Style **American Pale Ale**

Batch size

- Expected quantity of finished beer **10 liter(s)**
- Trub loss **5 %**
- Size with trub loss **10.5 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **12.7 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **9 liter(s)**
- Total mash volume **12 liter(s)**

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Pilzneński	3 kg (100%)	81 %	4

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Mosaic	5 g	50 min	10 %
Aroma (end of boil)	Mosaic	15 g	20 min	10 %
Aroma (end of boil)	Mosaic	25 g	10 min	10 %

Yeasts

Name	Type	Form	Amount	Laboratory
Danstar - Nottingham	Ale	Dry	7 g	Danstar