

## apa

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- Gravity **11.7 BLG**
- ABV ---
- IBU **51**
- SRM **4.7**
- Style **American Pale Ale**

### Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **21 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **25.3 liter(s)**

### Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **12.9 liter(s)**
- Total mash volume **17.2 liter(s)**

### Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom Pale Ale	3 kg (69.8%)	79 %	6
Grain	Pilzneński	1 kg (23.3%)	81 %	4
Grain	Carahell	0.3 kg (7%)	77 %	26

### Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Columbus/Tomahawk/Zeus	20 g	60 min	15.5 %
Boil	Sorachi Ace	20 g	15 min	10 %
Dry Hop	Citra	20 g	7 day(s)	12 %
Dry Hop	Mosaic	20 g	7 day(s)	10 %
Dry Hop	Enigma (AUS)	20 g	7 day(s)	17.2 %