

# Cascade APA

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- Gravity **13.1 BLG**
- ABV **5.3 %**
- IBU **34**
- SRM **6.9**
- 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 **85 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **13.8 liter(s)**
- Total mash volume **18.4 liter(s)**

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom Pilzneński	4.3 kg (93.5%)	80 %	4
Grain	Strzegom Karmel 150	0.3 kg (6.5%)	75 %	150

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Cascade	35 g	60 min	6 %
Aroma (end of boil)	Cascade	35 g	0 min	6 %
Boil	Cascade	30 g	20 min	6 %