

# IPA Centerial, Cascade, Magnum Markowa Owca

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- Gravity **12.4 BLG**
- ABV ---
- IBU **65**
- SRM **4.6**
- Style **American IPA**

## 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 **7.5 liter(s)**
- Total mash volume **10 liter(s)**

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom Pale Ale	2.5 kg (100%)	79 %	6

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Magnum GOR	10 g	60 min	13.5 %
Boil	Cascade AROMA	10 g	30 min	5.5 %
Boil	Centennial	10 g	30 min	10.5 %
Boil	Centennial	10 g	10 min	10.5 %
Dry Hop	Centennial	10 g	7 day(s)	10.5 %

## Yeasts

Name	Type	Form	Amount	Laboratory
Safale US-05	Ale	Dry	5 g	---