

IPA Centerial, Cascade, Magnum Markowa Owca

- 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 | --- |