

# 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    | ---        |