

APA

- Gravity **12.4 BLG**
- ABV **5 %**
- IBU **29**
- SRM **4.1**
- Style **American Pale Ale**

Batch size

- Expected quantity of finished beer **40 liter(s)**
- Trub loss **5 %**
- Size with trub loss **42.2 liter(s)**
- Boil time **75 min**
- Evaporation rate **10 %/h**
- Boil size **52 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **35 liter(s)**
- Total mash volume **45 liter(s)**

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|---------------------|------------|-------|-----|
| Grain | Strzegom Pale Ale | 5 kg (50%) | 79 % | 6 |
| Grain | Strzegom Pilzneński | 4 kg (40%) | 80 % | 4 |
| Grain | Płatki owsiane | 1 kg (10%) | 85 % | 3 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|----------|--------|----------|------------|
| Boil | Cascade | 40 g | 60 min | 6 % |
| Boil | Amarillo | 40 g | 30 min | 9.5 % |
| Dry Hop | Cascade | 50 g | 7 day(s) | 6 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|--------------|------|------|--------|------------|
| Safale US-05 | Ale | Dry | 20 g | --- |

Extras

| Type | Name | Amount | Use for | Time |
|--------|----------------------|--------|-----------|----------|
| Flavor | SKÓRKA POMARAŃCZY | 100 g | Secondary | 7 day(s) |
| Spice | kolendra | 30 g | Secondary | 3 day(s) |