

## Lite APA

- Gravity **12.4 BLG**
- ABV **5 %**
- IBU **42**
- SRM **6.5**
- Style **American Pale Ale**

### Batch size

- Expected quantity of finished beer **22 liter(s)**
- Trub loss **5 %**
- Size with trub loss **23.1 liter(s)**
- Boil time **30 min**
- Evaporation rate **12 %/h**
- Boil size **26.4 liter(s)**

### Mash information

- Mash efficiency **78 %**
- Liquor-to-grist ratio **5.8 liter(s) / kg**
- Mash size **31 liter(s)**
- Total mash volume **36.4 liter(s)**

### Fermentables

| Type  | Name                                  | Amount         | Yield | EBC |
|-------|---------------------------------------|----------------|-------|-----|
| Grain | Castle Malting - Pilsneński 2-rzędowy | 2.2 kg (41.1%) | 81 %  | 4   |
| Grain | Płatki owsiane                        | 0.5 kg (9.3%)  | 60 %  | 3   |
| Grain | Pszeniczny                            | 0.5 kg (9.3%)  | 85 %  | 4   |
| Grain | Słód owsiany Viking                   | 0.5 kg (9.3%)  | 58 %  | 5   |
| Grain | Castle Malting Rye Malt               | 0.5 kg (9.3%)  | 83 %  | 5   |
| Grain | Słód Melano Castle Malting            | 0.4 kg (7.5%)  | 78 %  | 80  |
| Grain | Enzymatyczny Viking                   | 0.25 kg (4.7%) | 76 %  | 4   |
| Grain | Cara Blonde - Castle Malting          | 0.5 kg (9.3%)  | 78 %  | 20  |

### Hops

| Use for   | Name          | Amount | Time     | Alpha acid |
|-----------|---------------|--------|----------|------------|
| Boil      | Magnum        | 5 g    | 30 min   | 10.6 %     |
| Boil      | Galaxy        | 15 g   | 10 min   | 17.9 %     |
| Boil      | Nelson Sauvín | 15 g   | 10 min   | 10.8 %     |
| Whirlpool | Galaxy        | 25 g   | 20 min   | 17.9 %     |
| Whirlpool | Nelson Sauvín | 25 g   | 20 min   | 10.8 %     |
| Dry Hop   | Galaxy        | 60 g   | 3 day(s) | 17.9 %     |
| Dry Hop   | Nelson Sauvín | 60 g   | 3 day(s) | 10.8 %     |

### Yeasts

| Name                            | Type | Form | Amount | Laboratory |
|---------------------------------|------|------|--------|------------|
| Lallemand - LalBrew Verdant IPA | Ale  | Dry  | 11 g   | Lallemand  |